

**#01 GSM850\_GPRS12\_Bottom Face\_0cm\_sensor on\_Ch251**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.981 \text{ mho/m}$ ;  $\epsilon_r = 55.275$ ;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.1^\circ\text{C}$ ; Liquid Temperature :  $21.2^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (101x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.115 \text{ mW/g}$

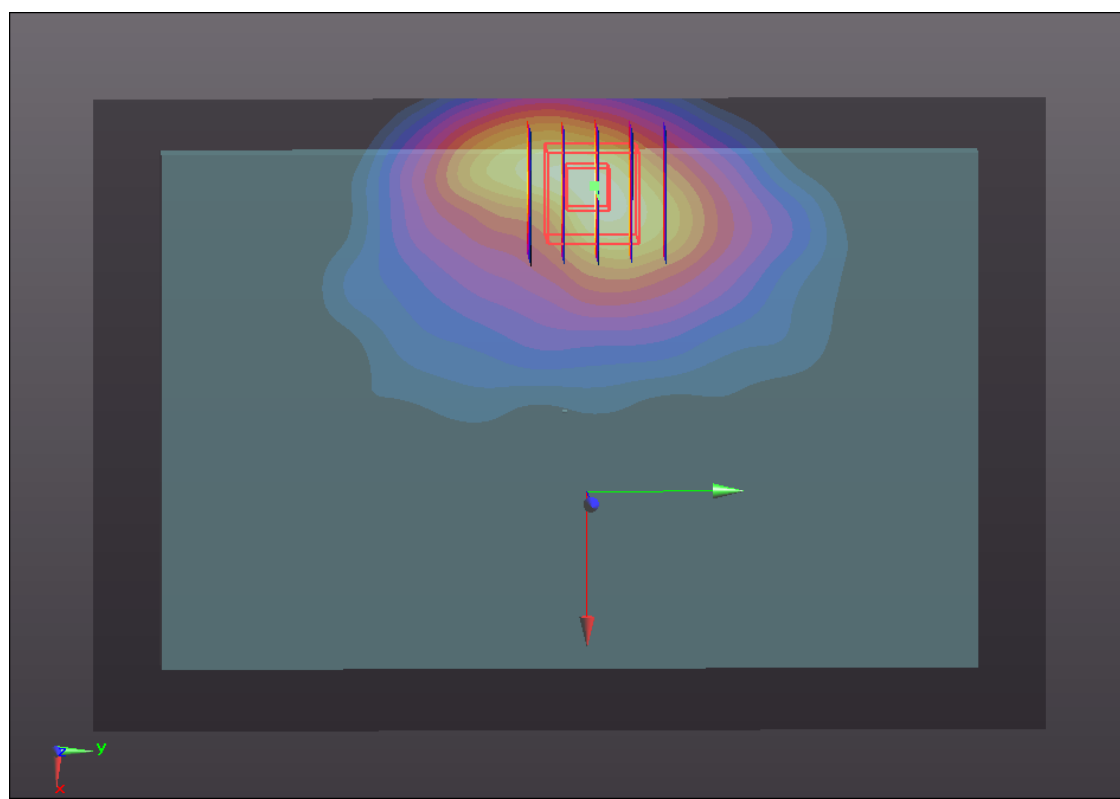
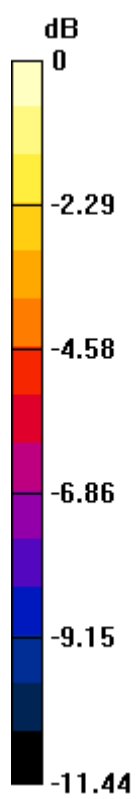
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $9.661 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $2.096 \text{ W/kg}$

**SAR(1 g) =  $1.07 \text{ mW/g}$ ; SAR(10 g) =  $0.598 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.195 \text{ mW/g}$



0 dB = 1.200mW/g

**#01 GSM850\_GPRS12\_Bottom Face\_0cm\_sensor on\_Ch251\_2D**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.981 \text{ mho/m}$ ;  $\epsilon_r = 55.275$ ;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.2 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (101x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.115 \text{ mW/g}$

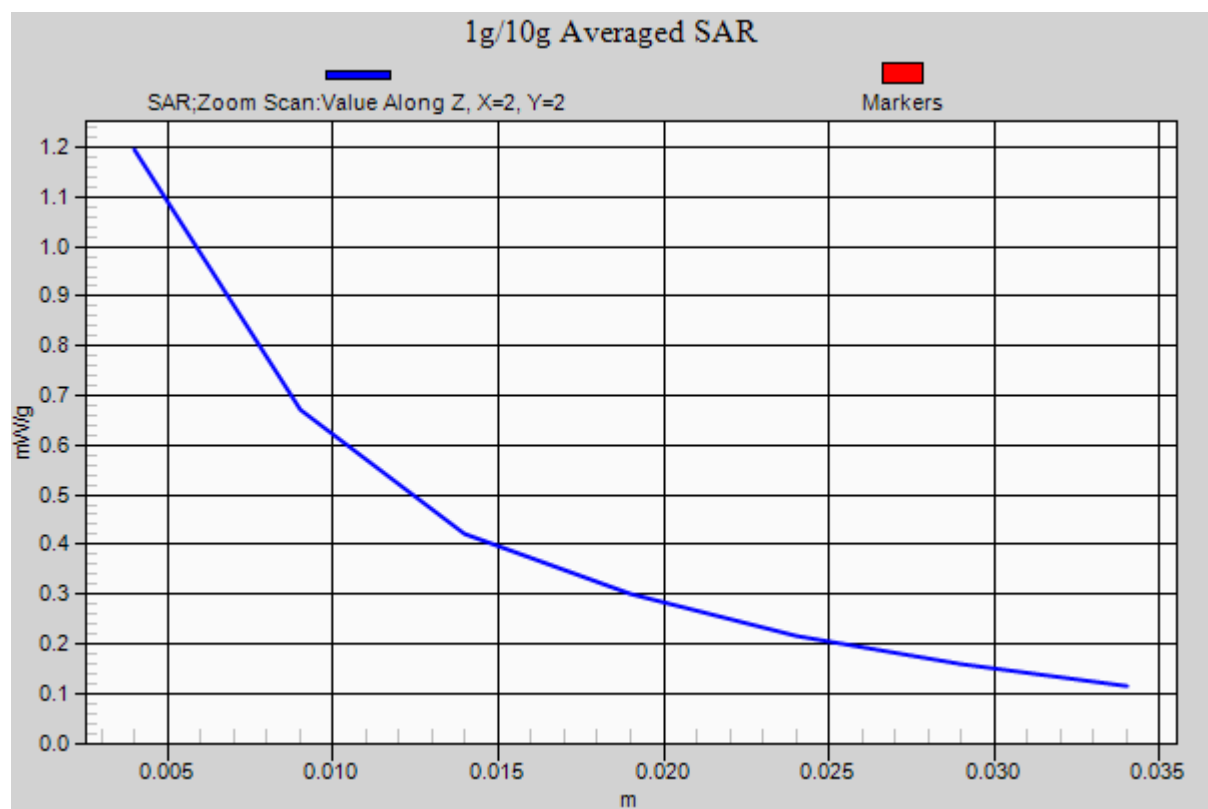
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $9.661 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $2.096 \text{ W/kg}$

**SAR(1 g) =  $1.07 \text{ mW/g}$ ; SAR(10 g) =  $0.598 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.195 \text{ mW/g}$



**#06 GSM850\_GPRS12\_Bottom Face\_0cm\_sensor on\_Ch128**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r =$

$55.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.1$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch128/Area Scan (101x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $1.073$  mW/g

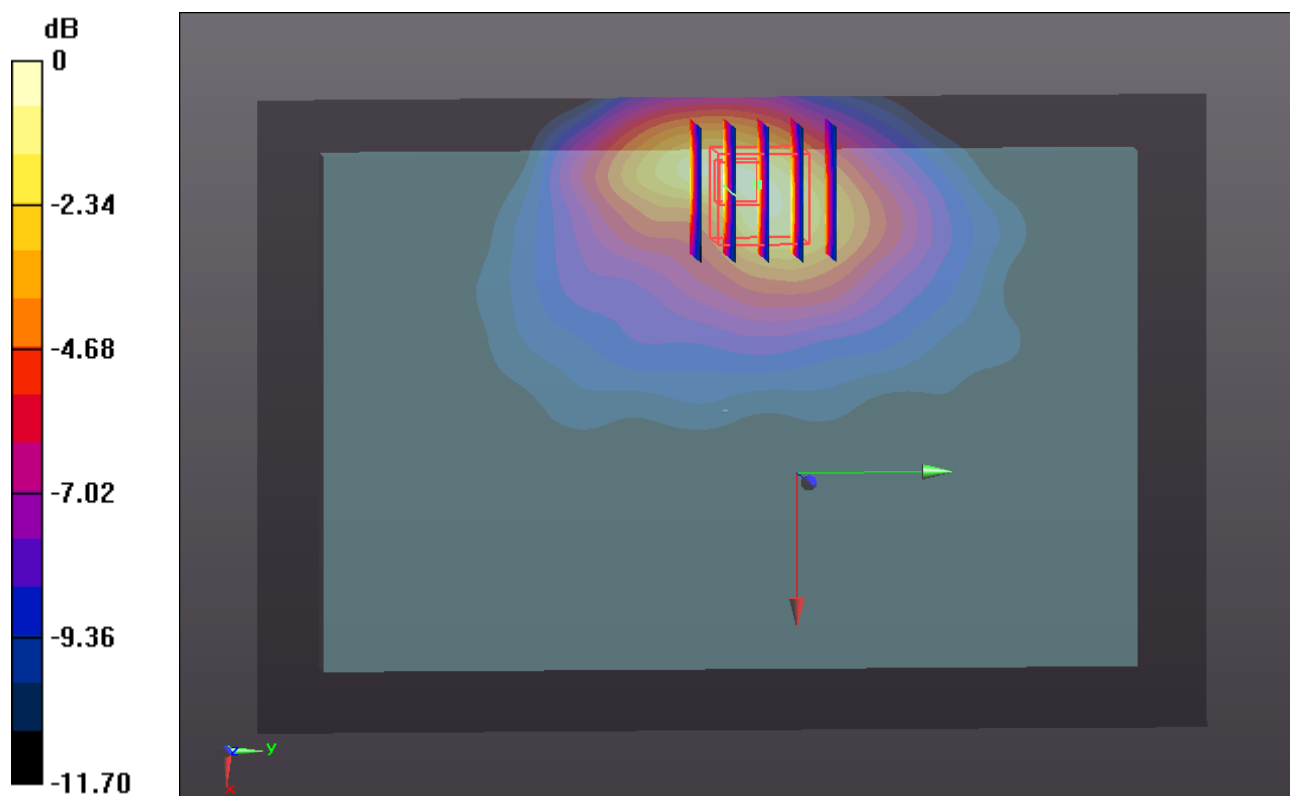
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $10.307$  V/m; Power Drift =  $0.11$  dB

Peak SAR (extrapolated) =  $1.767$  W/kg

**SAR(1 g) =  $1.01$  mW/g; SAR(10 g) =  $0.576$  mW/g**

Maximum value of SAR (measured) =  $1.198$  mW/g



**#07 GSM850\_GPRS12\_Bottom Face\_0cm\_sensor on\_Ch189**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 836.4 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.968$  mho/m;  $\epsilon_r =$

$55.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.1$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch189/Area Scan (101x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $1.111$  mW/g

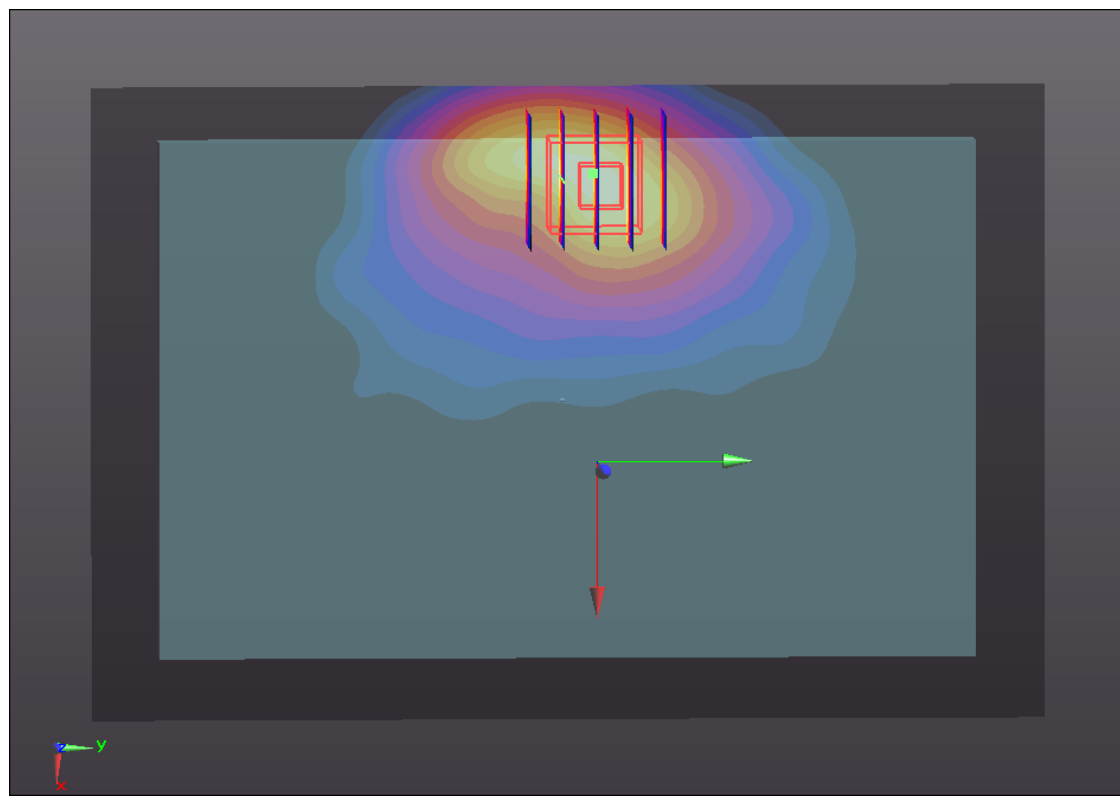
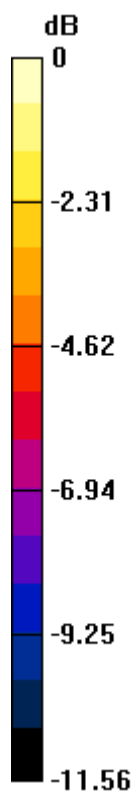
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $10.121$  V/m; Power Drift =  $0.10$  dB

Peak SAR (extrapolated) =  $2.021$  W/kg

**SAR(1 g) =  $1.06$  mW/g; SAR(10 g) =  $0.603$  mW/g**

Maximum value of SAR (measured) =  $1.197$  mW/g



0 dB = 1.200mW/g

**#02 GSM850\_GPRS12\_Primary Portrait\_0cm\_sensor on\_Ch251**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.695 mW/g

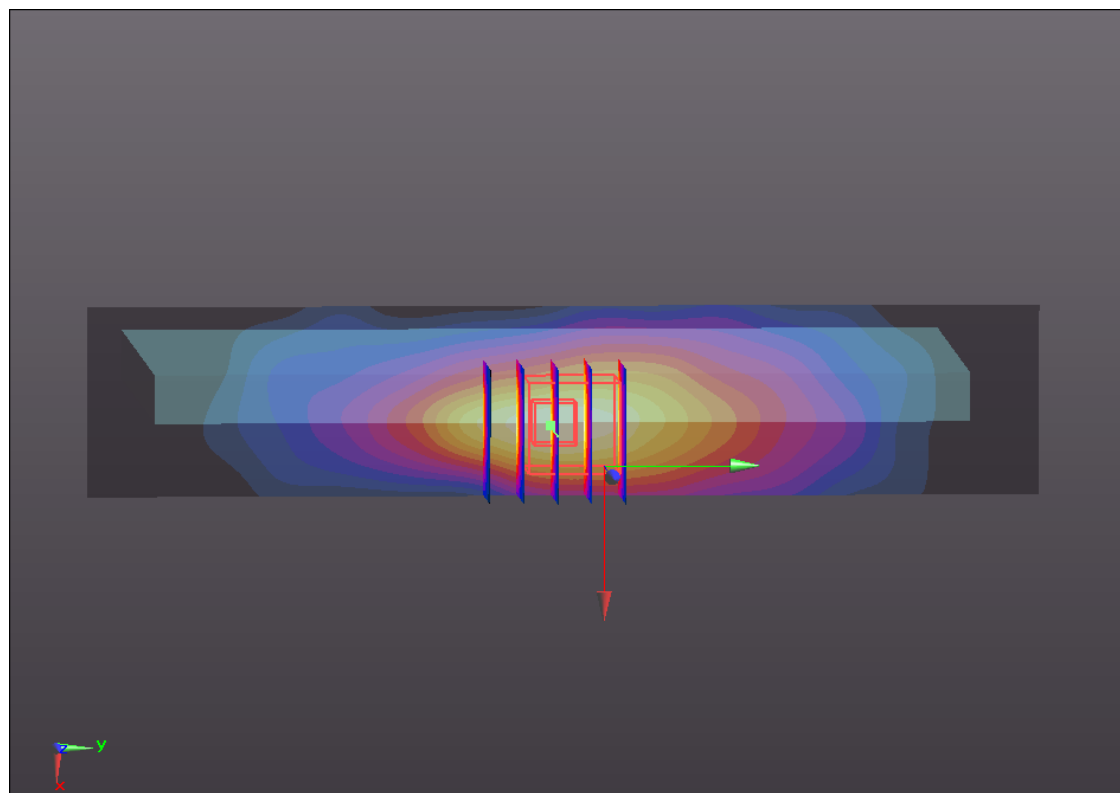
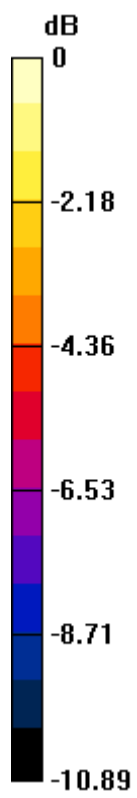
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.880 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.112 W/kg

**SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.344 mW/g**

Maximum value of SAR (measured) = 0.691 mW/g



0 dB = 0.690mW/g

**#03 GSM850\_GPRS12\_Bottom Face\_0.9cm\_sensor off\_Ch251**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.099 mW/g

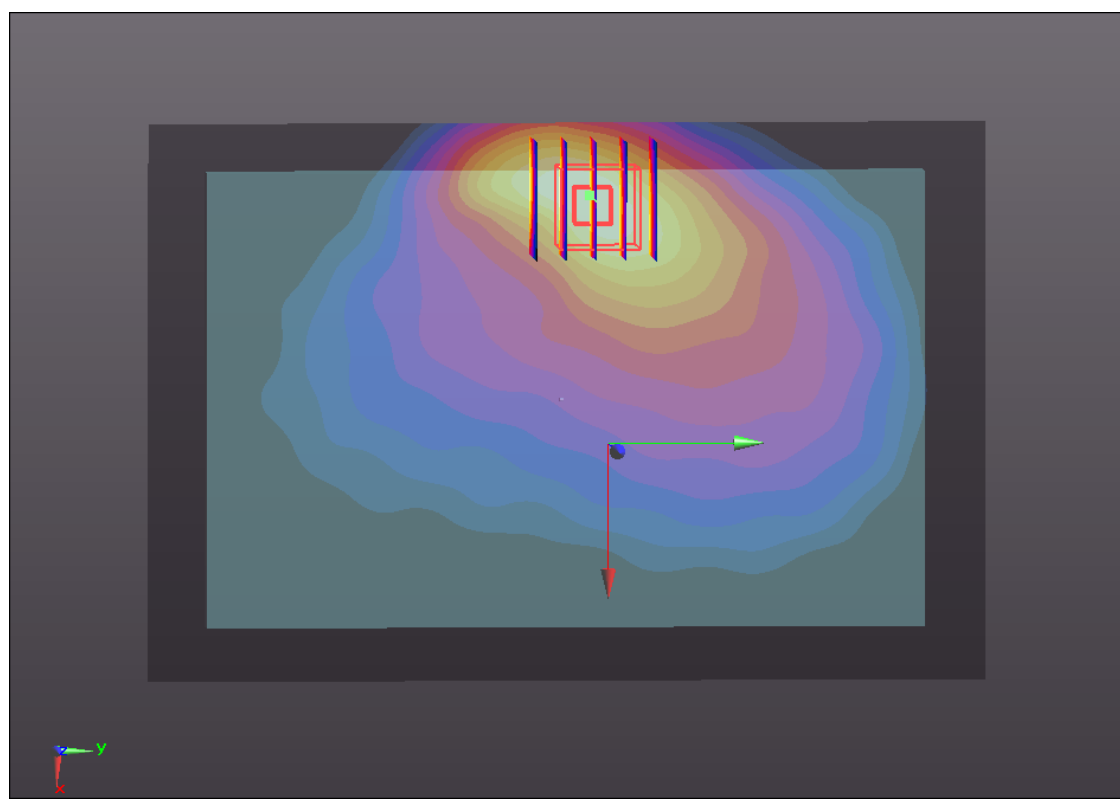
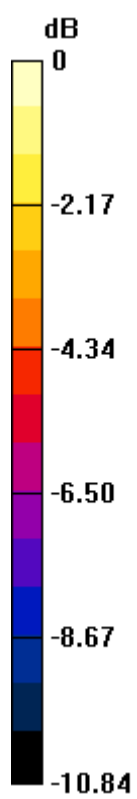
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.743 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.593 W/kg

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.629 mW/g**

Maximum value of SAR (measured) = 1.075 mW/g



0 dB = 1.080mW/g

**#08 GSM850\_GPRS12\_Bottom Face\_0.9cm\_sensor off\_Ch128**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.956 \text{ mho/m}$ ;  $\epsilon_r =$

$55.497$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.2 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch128/Area Scan (101x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.866 \text{ mW/g}$

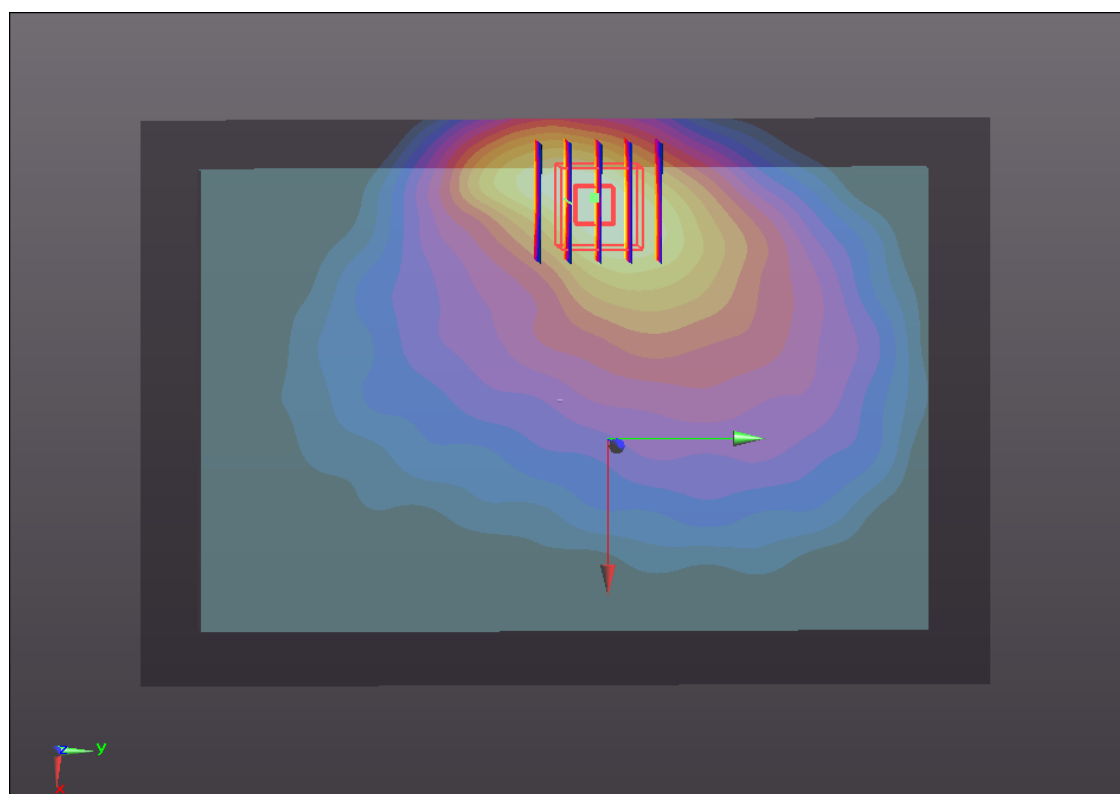
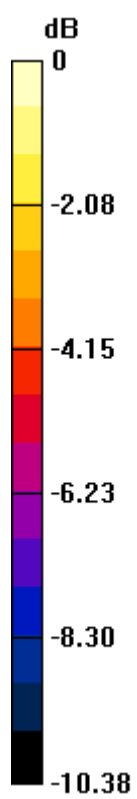
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $13.741 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $1.227 \text{ W/kg}$

**SAR(1 g) =  $0.793 \text{ mW/g}$ ; SAR(10 g) =  $0.503 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.852 \text{ mW/g}$



0 dB = 0.850mW/g

**#09 GSM850\_GPRS12\_Bottom Face\_0.9cm\_sensor off\_Ch189**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 836.4 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.968$  mho/m;  $\epsilon_r =$

55.391;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch189/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.006 mW/g

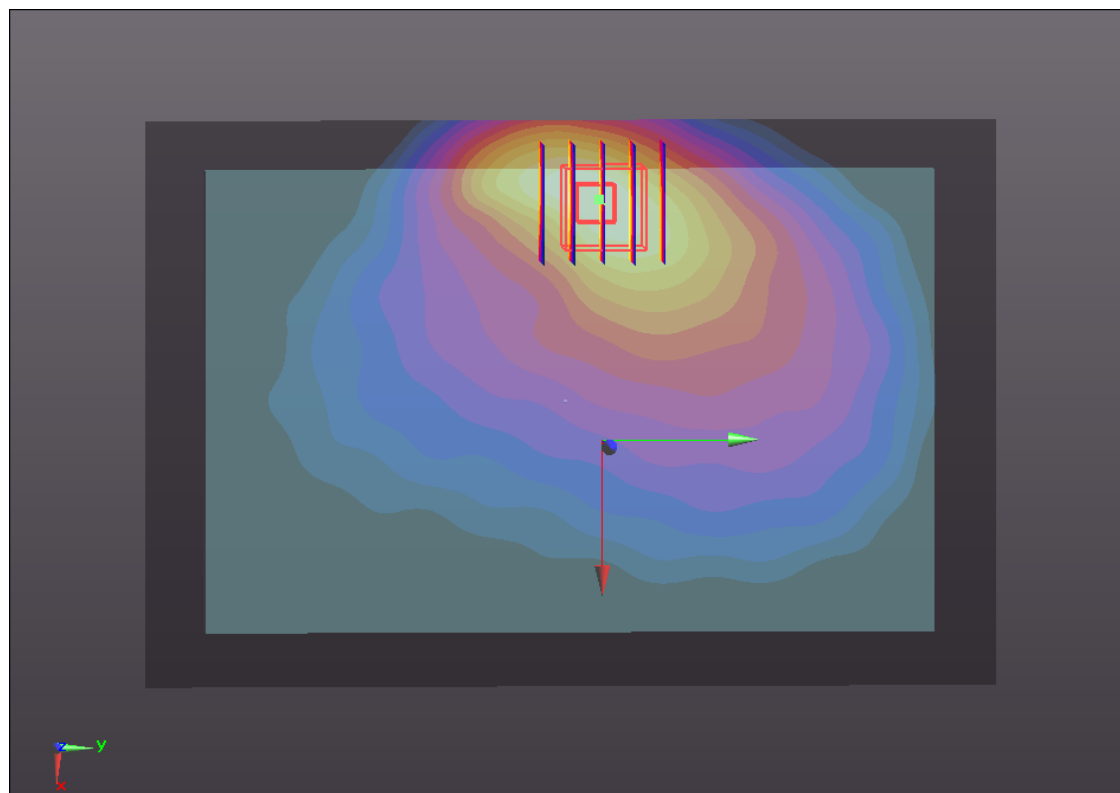
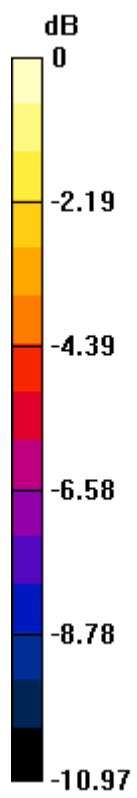
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.440 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.464 W/kg

**SAR(1 g) = 0.933 mW/g; SAR(10 g) = 0.584 mW/g**

Maximum value of SAR (measured) = 1.002 mW/g



0 dB = 1.000mW/g

**#04 GSM850\_GPRS12\_Primary Portrait\_0.7cm\_sensor off\_Ch251**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.981 \text{ mho/m}$ ;  $\epsilon_r = 55.275$ ;

$\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.1^\circ\text{C}$ ; Liquid Temperature :  $21.2^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (31x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.892 \text{ mW/g}$

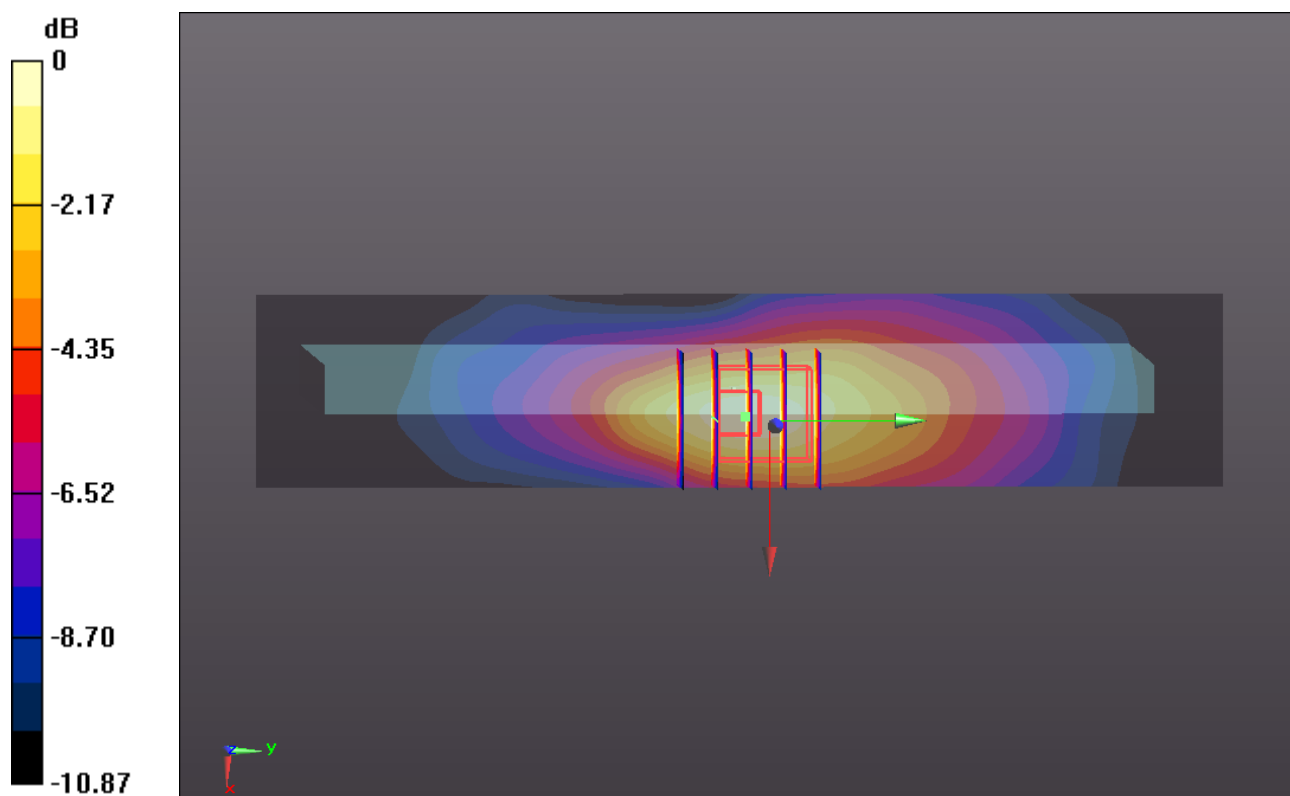
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $28.186 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$

Peak SAR (extrapolated) =  $1.286 \text{ W/kg}$

**SAR(1 g) =  $0.835 \text{ mW/g}$ ; SAR(10 g) =  $0.517 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.920 \text{ mW/g}$



0 dB = 0.920mW/g

**#39 GSM850\_GPRS12\_Primary Portrait\_0.7cm\_sensor off\_Ch128**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.956 \text{ mho/m}$ ;  $\epsilon_r =$

$55.497$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.2 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch128/Area Scan (31x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.765 \text{ mW/g}$

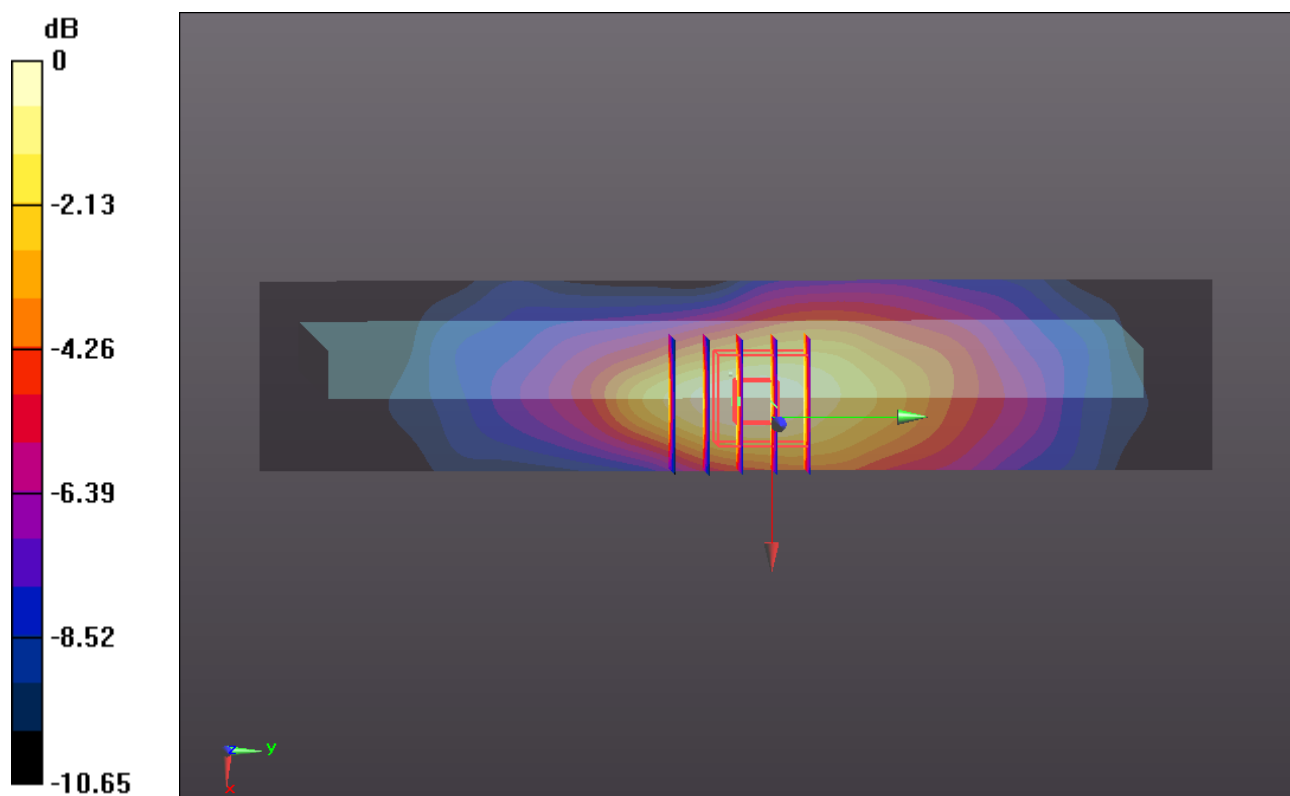
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $25.582 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $1.025 \text{ W/kg}$

**SAR(1 g) =  $0.674 \text{ mW/g}$ ; SAR(10 g) =  $0.432 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.759 \text{ mW/g}$



**#40 GSM850\_GPRS12\_Primary Portrait\_0.7cm\_sensor off\_Ch189**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 836.4 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 836.4 \text{ MHz}$ ;  $\sigma = 0.968 \text{ mho/m}$ ;  $\epsilon_r =$

$55.391$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.2 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch189/Area Scan (31x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.874 \text{ mW/g}$

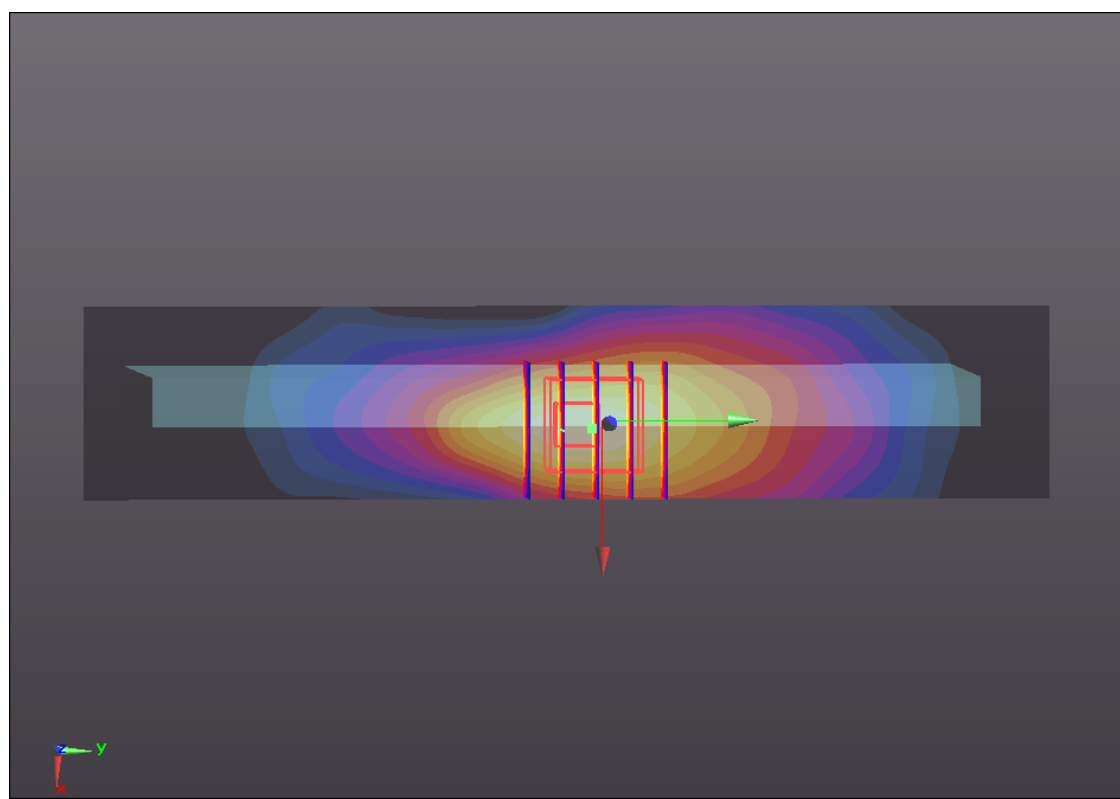
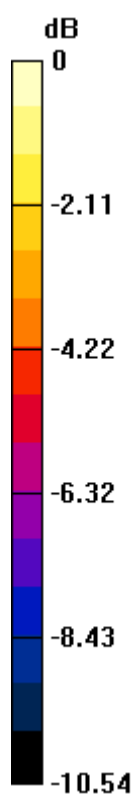
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $26.953 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$

Peak SAR (extrapolated) =  $1.290 \text{ W/kg}$

**SAR(1 g) =  $0.803 \text{ mW/g}$ ; SAR(10 g) =  $0.499 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.904 \text{ mW/g}$



0 dB = 0.900mW/g

**#05 GSM850\_GPRS12\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch251**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120716 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.649 mW/g

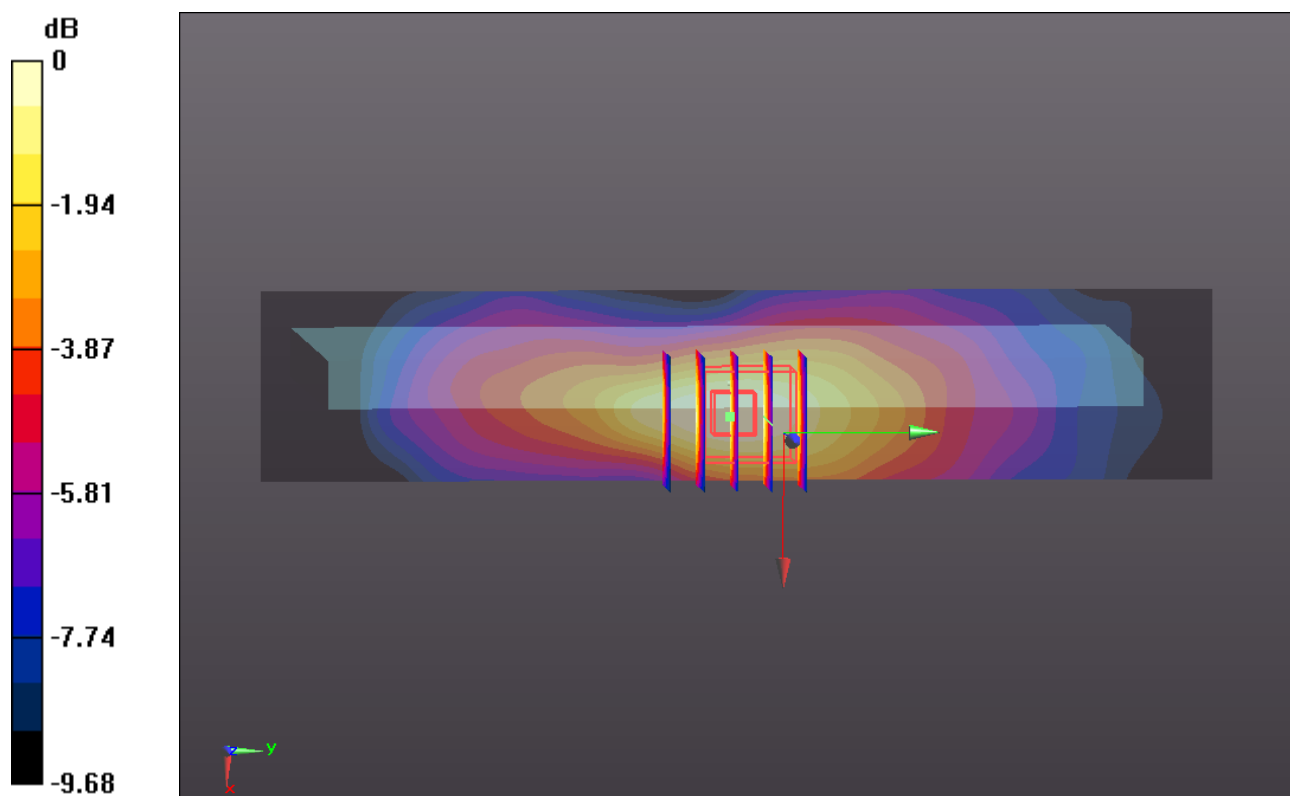
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.917 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.847 W/kg

**SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.376 mW/g**

Maximum value of SAR (measured) = 0.622 mW/g



**#45 GSM850\_GPRS12\_Primary Portrait\_Left Corner at 32 degree\_sensor off\_Ch251**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_120730 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  mho/m;  $\epsilon_r = 54.273$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (31x171x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.098 mW/g

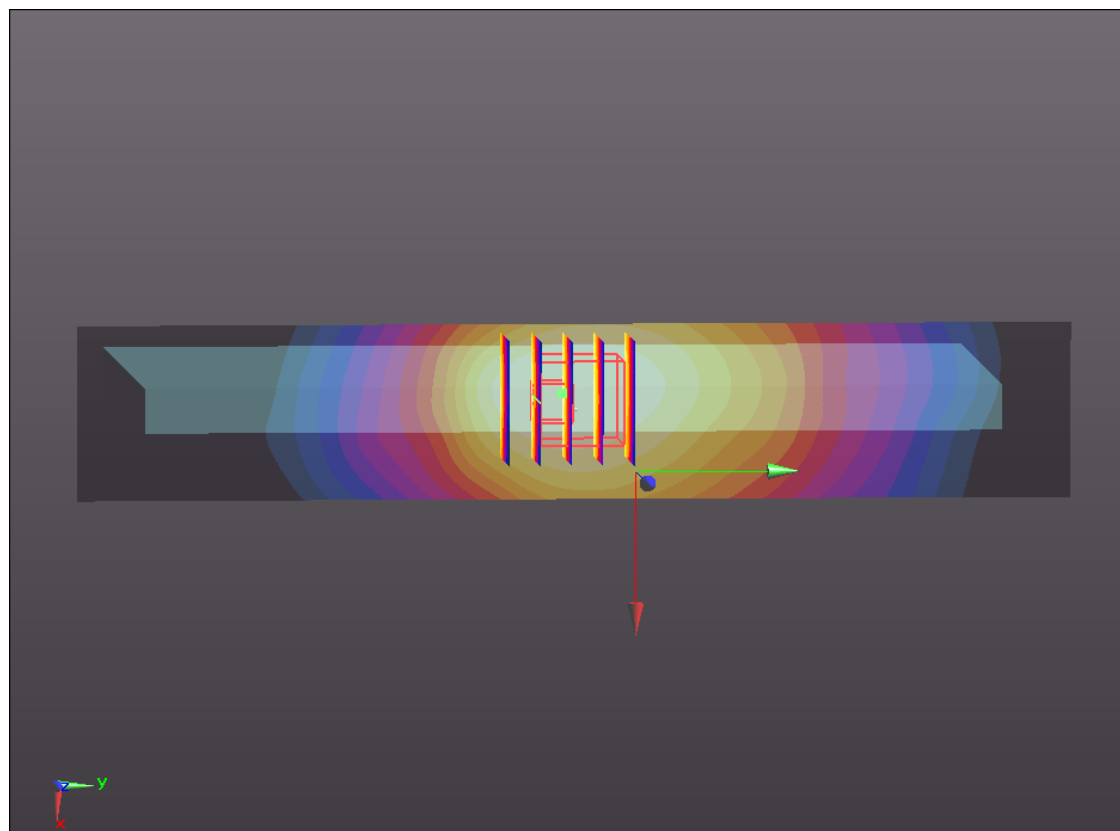
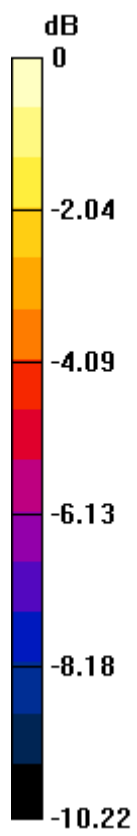
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.882 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.126 W/kg

**SAR(1 g) = 0.089 mW/g; SAR(10 g) = 0.062 mW/g**

Maximum value of SAR (measured) = 0.094 mW/g



0 dB = 0.090mW/g

**#10 GSM1900\_GPRS10\_Bottom Face\_0cm\_sensor on\_Ch512**

**DUT: 262503**

Communication System: GPRS/EDGE 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_120811 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.472$  mho/m;  $\epsilon_r =$

$54.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.2$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (101x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.779$  mW/g

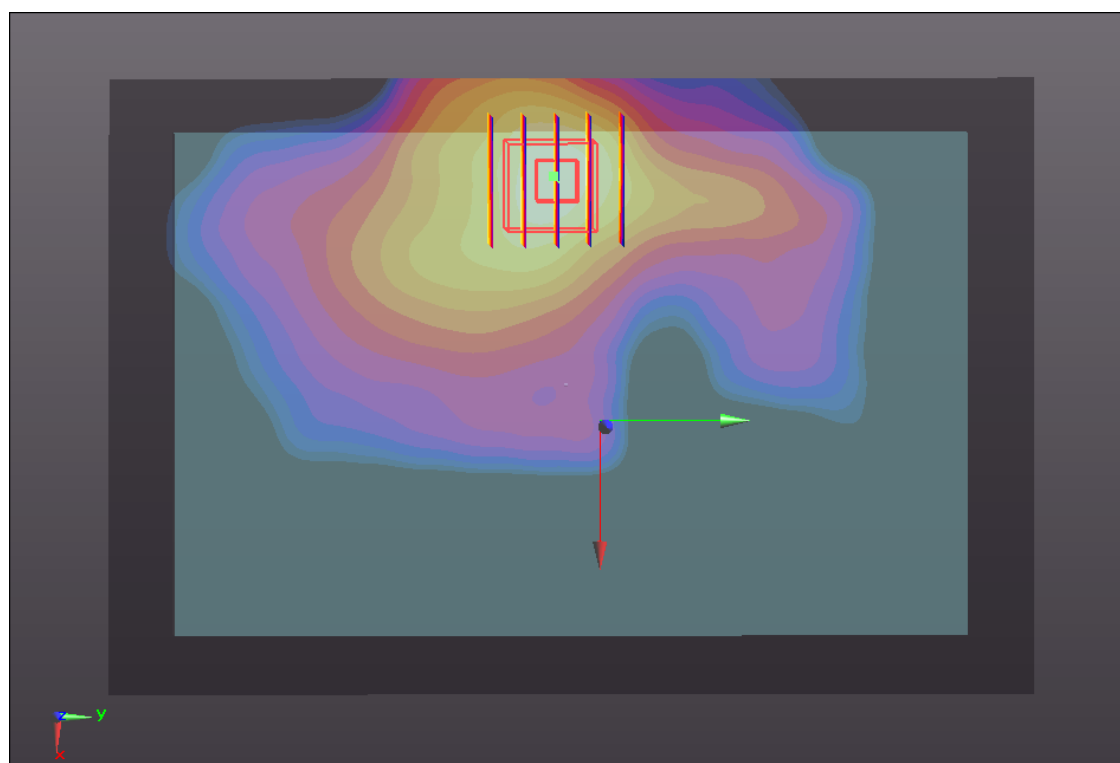
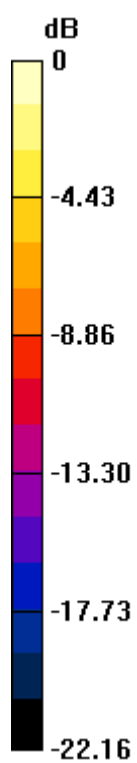
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $5.062$  V/m; Power Drift =  $0.04$  dB

Peak SAR (extrapolated) =  $1.582$  W/kg

**SAR(1 g) =  $0.739$  mW/g; SAR(10 g) =  $0.371$  mW/g**

Maximum value of SAR (measured) =  $0.819$  mW/g



0 dB = 0.820mW/g

## #11 GSM1900\_GPRS10\_Primary Portrait\_0cm\_sensor on\_Ch512

**DUT: 262503**

Communication System: GPRS/EDGE 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL\_1900\_120811 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.472$  mho/m;  $\epsilon_r =$

$54.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.2$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (31x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.684$  mW/g

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $17.309$  V/m; Power Drift =  $-0.12$  dB

Peak SAR (extrapolated) =  $1.259$  W/kg

**SAR(1 g) =  $0.608$  mW/g; SAR(10 g) =  $0.282$  mW/g**

Maximum value of SAR (measured) =  $0.692$  mW/g

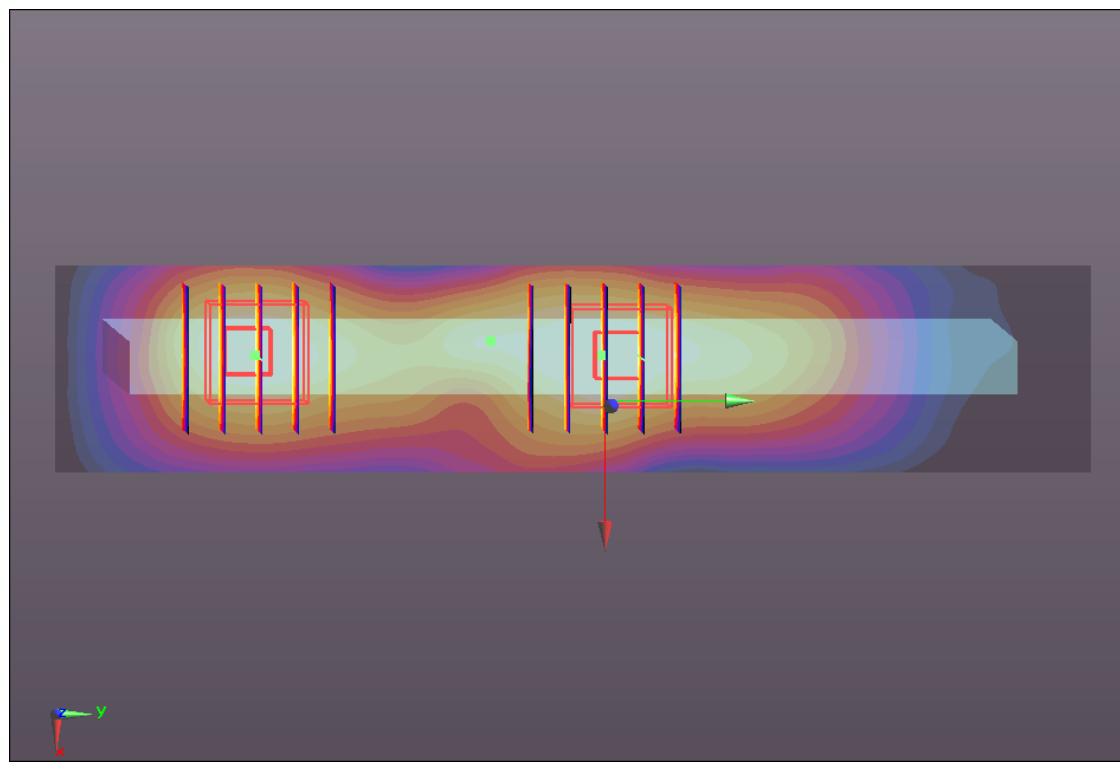
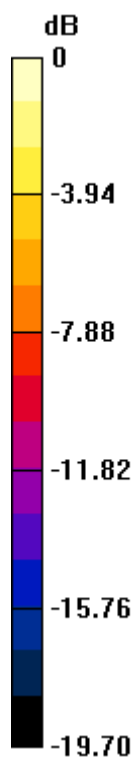
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $17.309$  V/m; Power Drift =  $-0.12$  dB

Peak SAR (extrapolated) =  $0.975$  W/kg

**SAR(1 g) =  $0.544$  mW/g; SAR(10 g) =  $0.284$  mW/g**

Maximum value of SAR (measured) =  $0.576$  mW/g



0 dB = 0.580mW/g

**#12 GSM1900\_GPRS12\_Bottom Face\_0.9cm\_sensor off\_Ch512**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120811 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.472$  mho/m;  $\epsilon_r =$

$54.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.2$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (111x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.369$  mW/g

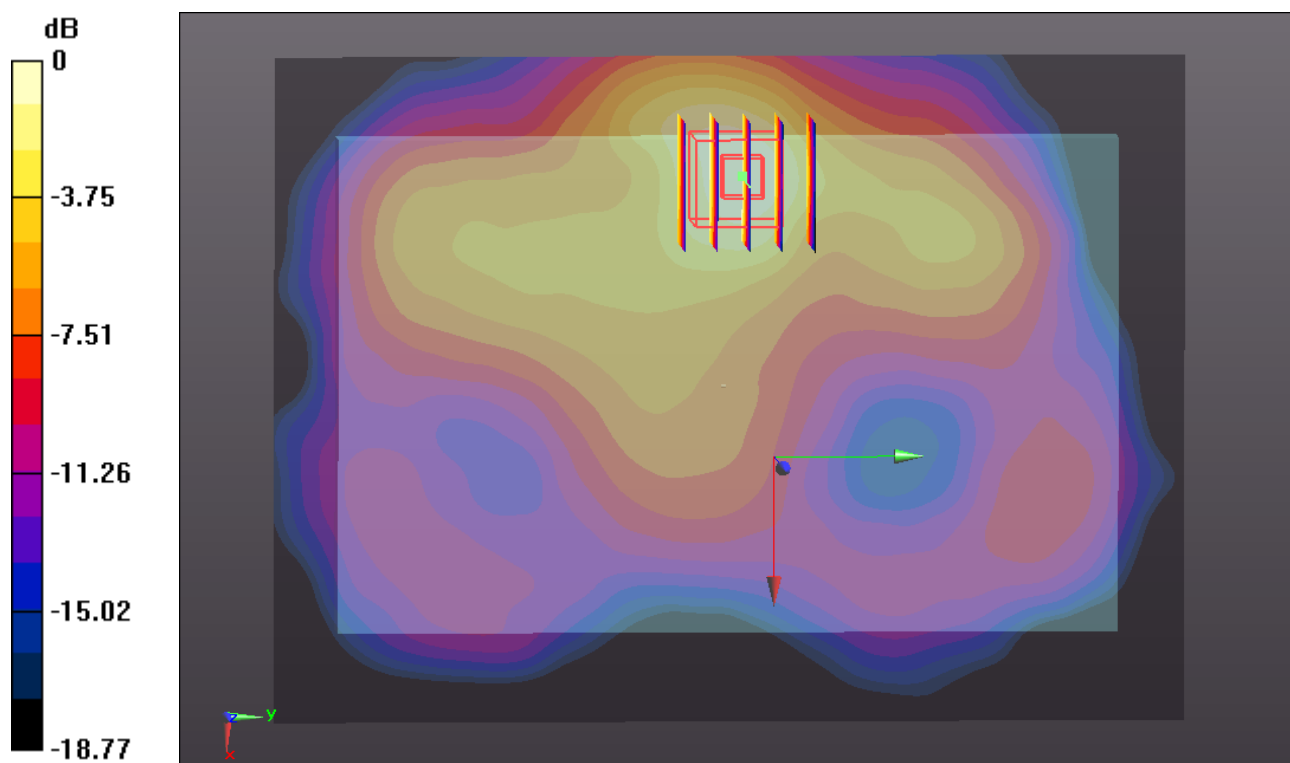
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $7.597$  V/m; Power Drift =  $0.18$  dB

Peak SAR (extrapolated) =  $0.591$  W/kg

**SAR(1 g) =  $0.337$  mW/g; SAR(10 g) =  $0.187$  mW/g**

Maximum value of SAR (measured) =  $0.373$  mW/g



0 dB = 0.370mW/g

### #13 GSM1900\_GPRS12\_Primary Portrait\_0.7cm\_sensor off\_Ch512

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120811 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.472$  mho/m;  $\epsilon_r =$

$54.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.2$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (31x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.462$  mW/g

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $16.087$  V/m; Power Drift =  $0.09$  dB

Peak SAR (extrapolated) =  $0.786$  W/kg

**SAR(1 g) =  $0.425$  mW/g; SAR(10 g) =  $0.212$  mW/g**

Maximum value of SAR (measured) =  $0.476$  mW/g

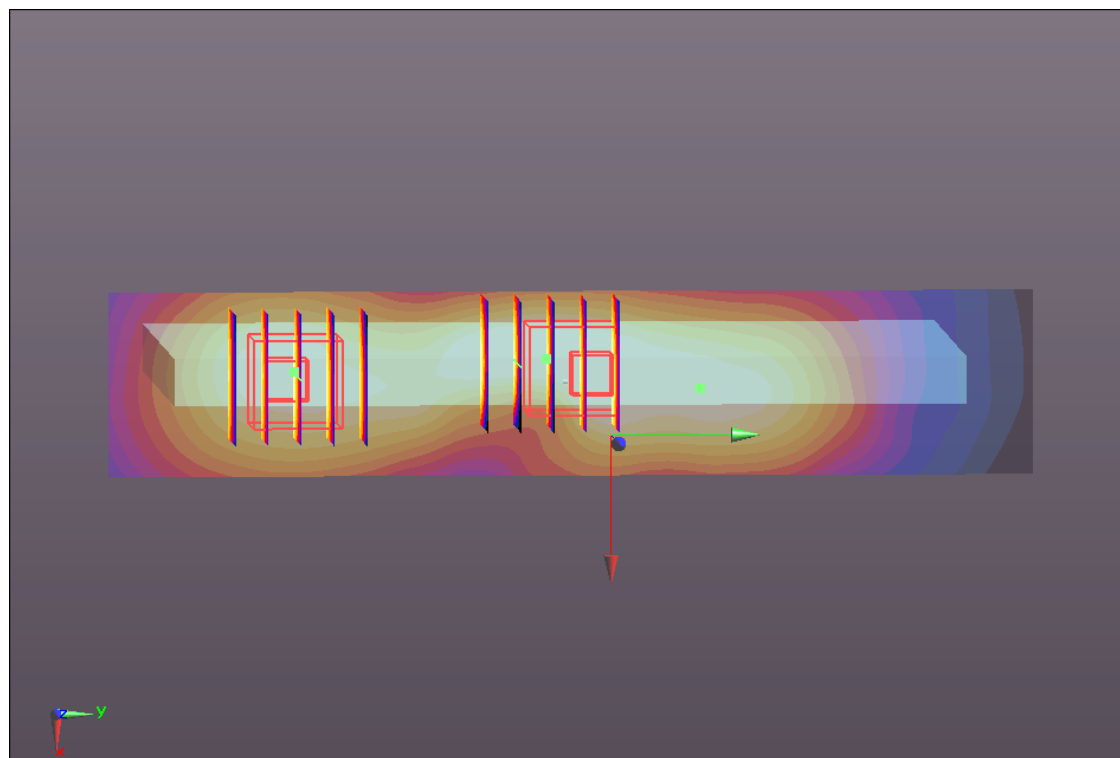
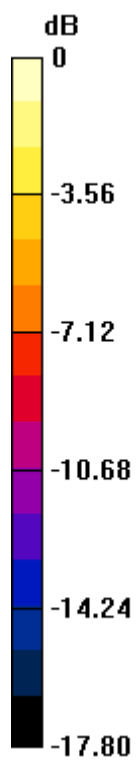
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $16.087$  V/m; Power Drift =  $0.09$  dB

Peak SAR (extrapolated) =  $0.538$  W/kg

**SAR(1 g) =  $0.336$  mW/g; SAR(10 g) =  $0.195$  mW/g**

Maximum value of SAR (measured) =  $0.363$  mW/g



0 dB = 0.360mW/g

**#14 GSM1900\_GPRS12\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch512**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120811 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.472$  mho/m;  $\epsilon_r =$

$54.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.2$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (31x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $1.035$  mW/g

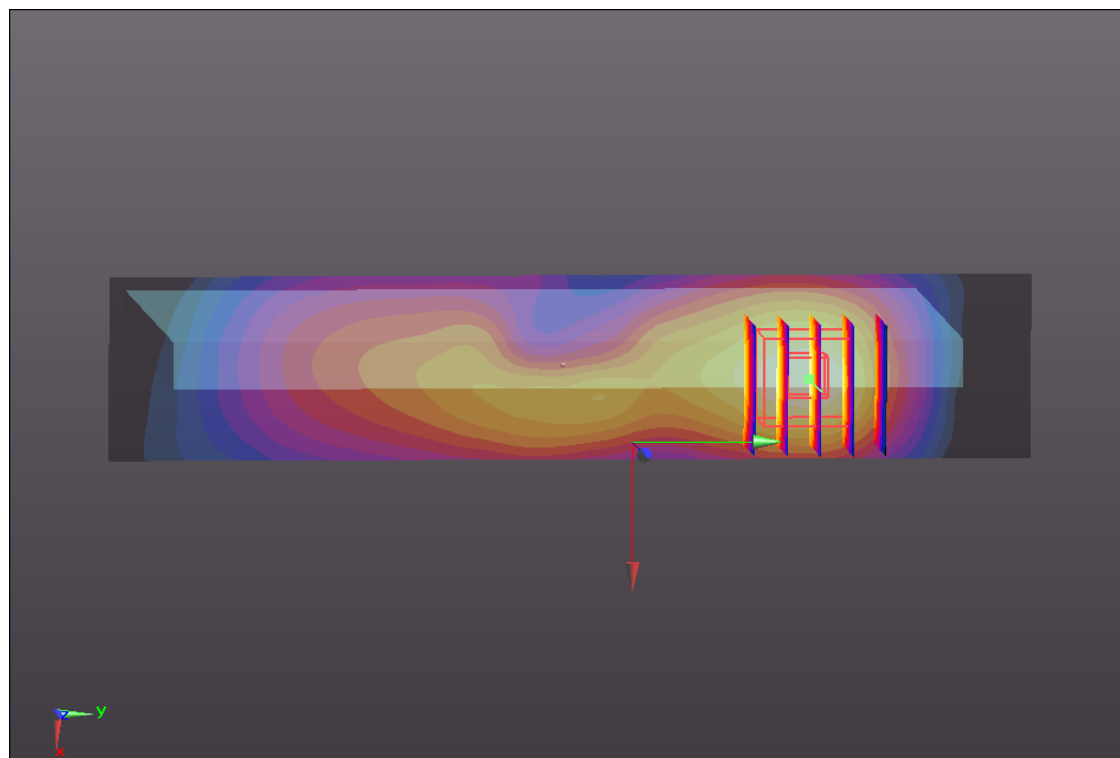
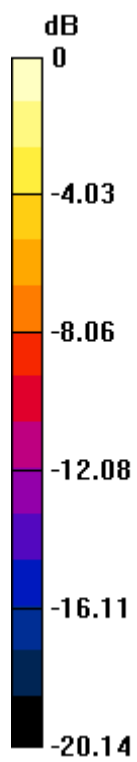
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $11.283$  V/m; Power Drift =  $-0.02$  dB

Peak SAR (extrapolated) =  $1.517$  W/kg

**SAR(1 g) =  $0.849$  mW/g; SAR(10 g) =  $0.438$  mW/g**

Maximum value of SAR (measured) =  $0.956$  mW/g



0 dB = 0.960mW/g

**#15 GSM1900\_GPRS12\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch661**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120811 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.513$  mho/m;  $\epsilon_r =$

54.594;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch661/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.240 mW/g

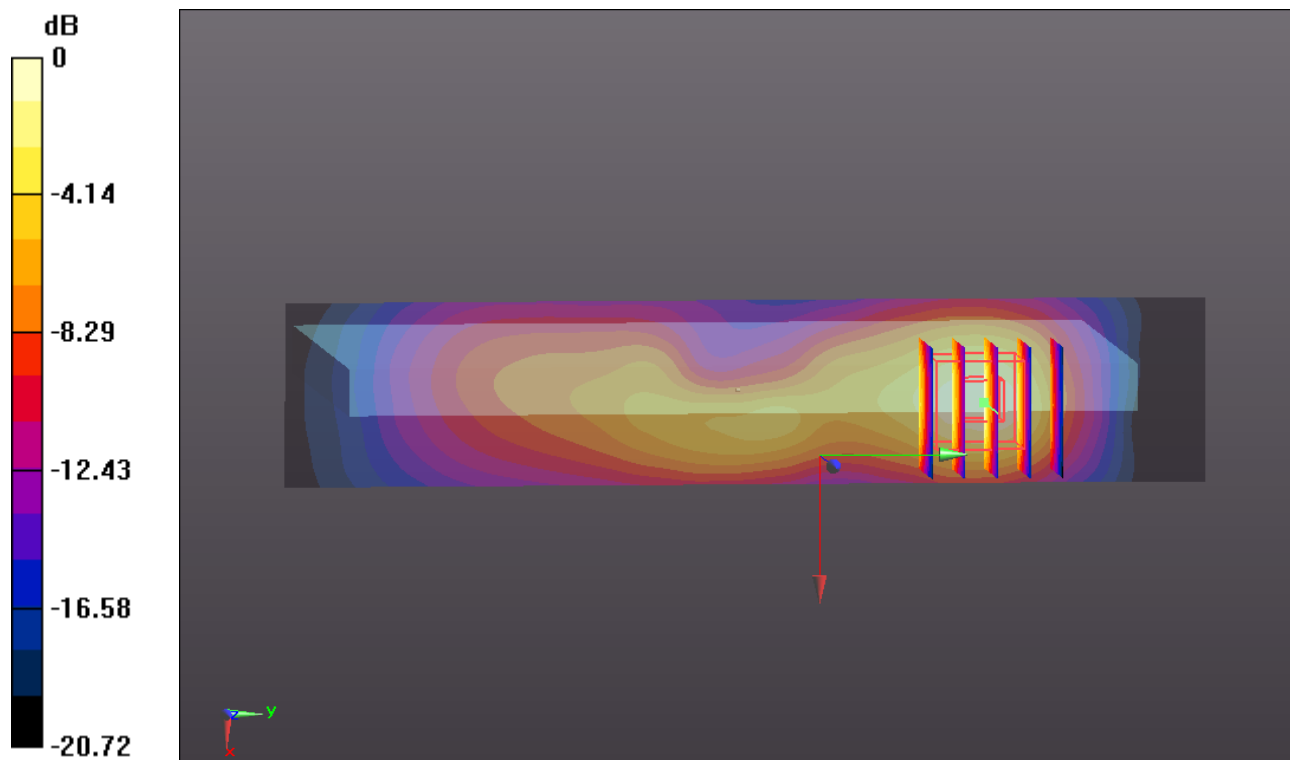
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.663 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.765 W/kg

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.506 mW/g**

Maximum value of SAR (measured) = 1.169 mW/g



0 dB = 1.170mW/g

**#15 GSM1900\_GPRS12\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch661\_2D**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120811 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.513$  mho/m;  $\epsilon_r =$

54.594;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch661/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.240 mW/g

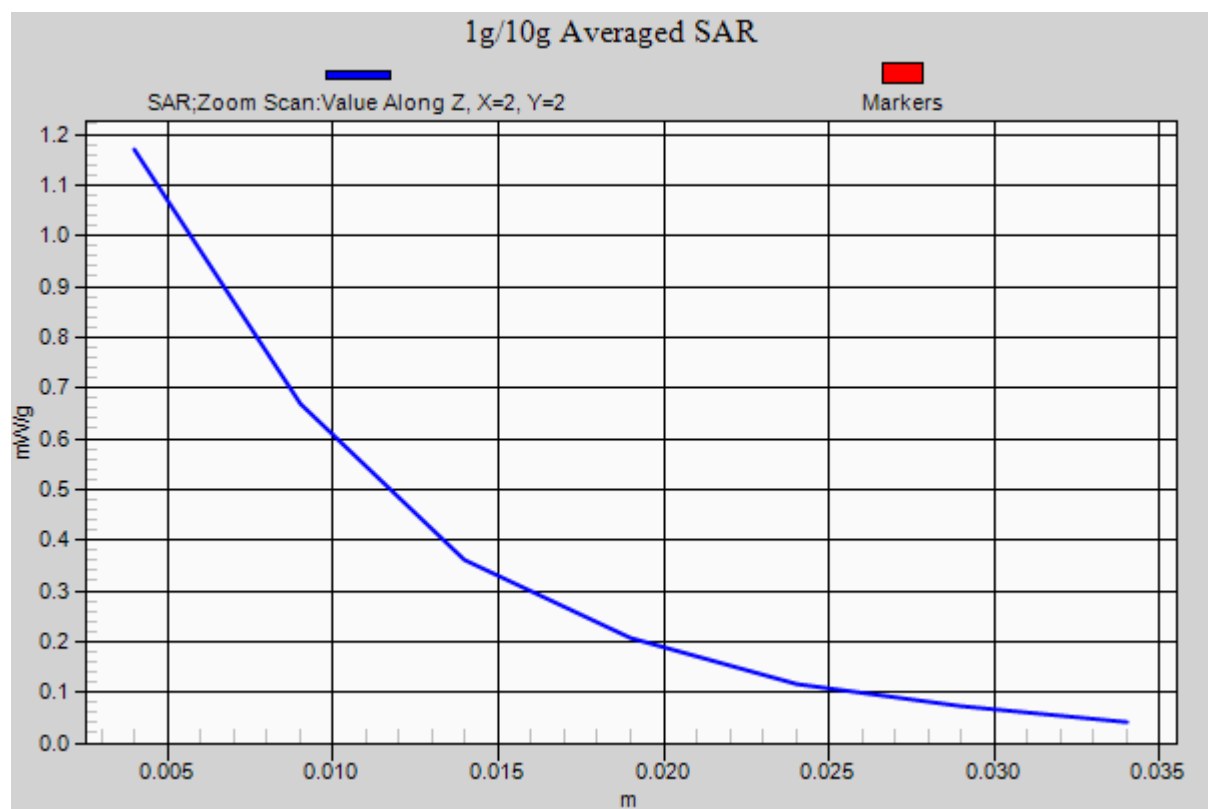
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.663 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.765 W/kg

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.506 mW/g**

Maximum value of SAR (measured) = 1.169 mW/g



**#16 GSM1900\_GPRS12\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch810**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120811 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.544$  mho/m;  $\epsilon_r =$

54.546;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch810/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.230 mW/g

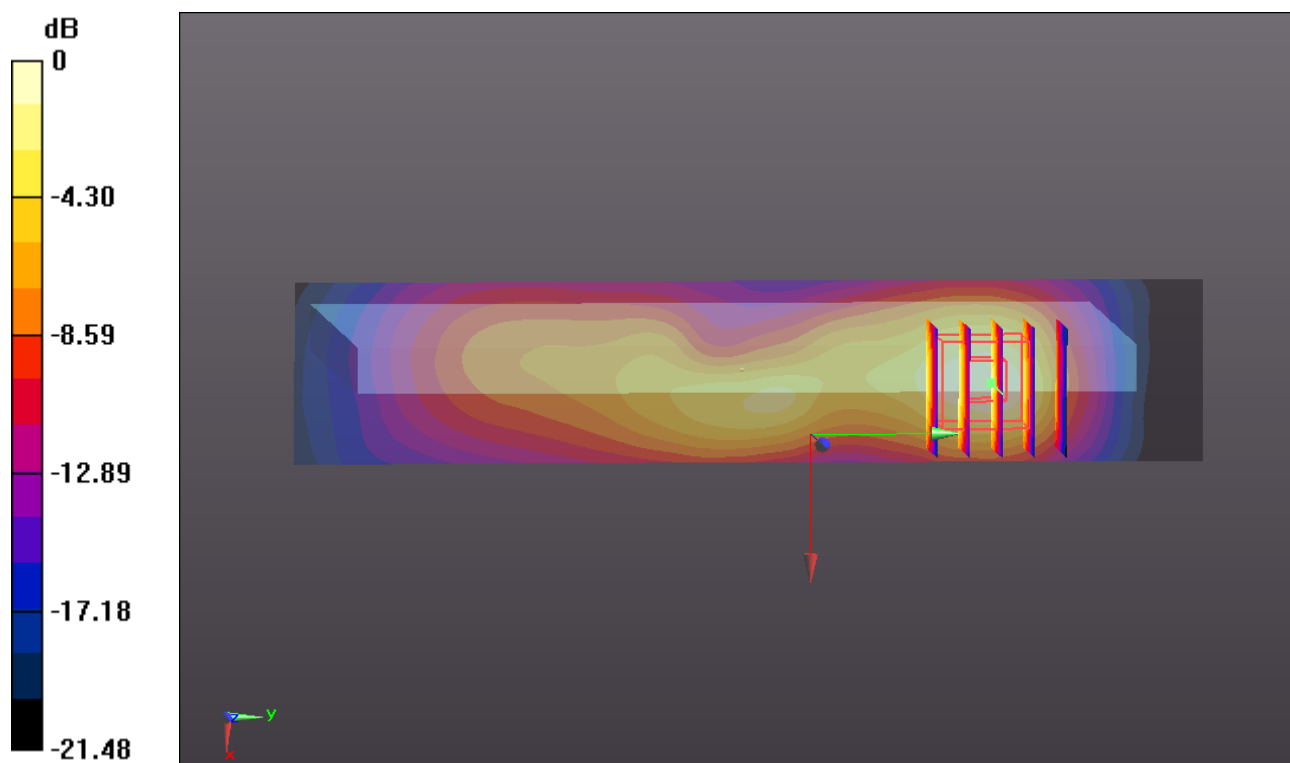
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.029 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.806 W/kg

**SAR(1 g) = 0.997 mW/g; SAR(10 g) = 0.505 mW/g**

Maximum value of SAR (measured) = 1.127 mW/g



**#46 GSM1900\_GPRS12\_Primary Portrait\_Left Corner at 32 degree \_sensor off\_Ch512**

**DUT: 262503**

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_120811 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.472$  mho/m;  $\epsilon_r =$

$54.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.2$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (31x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.093$  mW/g

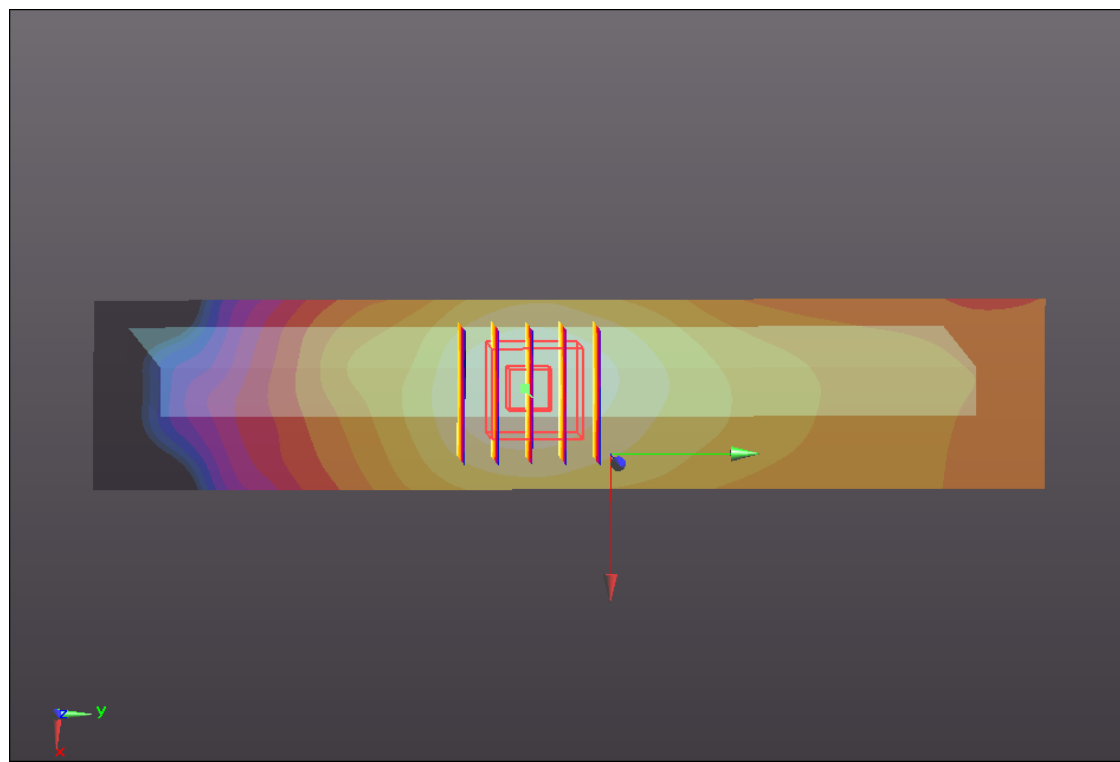
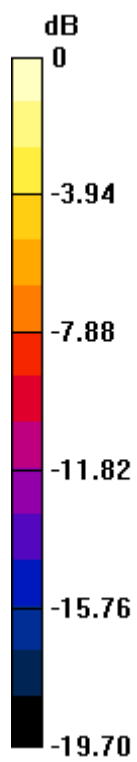
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $7.781$  V/m; Power Drift =  $-0.14$  dB

Peak SAR (extrapolated) =  $0.140$  W/kg

**SAR(1 g) =  $0.088$  mW/g; SAR(10 g) =  $0.053$  mW/g**

Maximum value of SAR (measured) =  $0.094$  mW/g



0 dB = 0.090mW/g

**#19 WCDMA V\_RMC12.2K\_Bottom Face\_0cm\_sensor on\_Ch4132**

**DUT: 262503**

Communication System: UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.959$  mho/m;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4132/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.102 mW/g

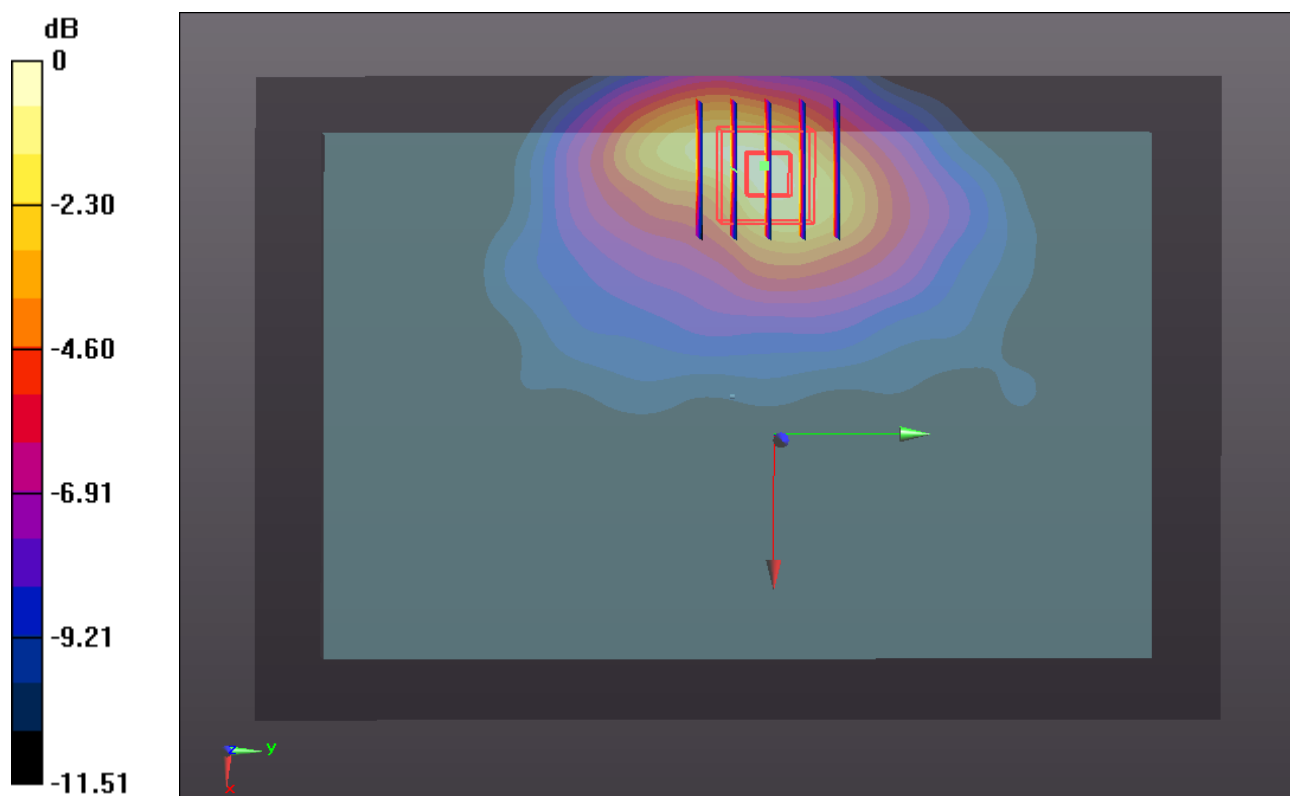
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.297 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.032 W/kg

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.603 mW/g**

Maximum value of SAR (measured) = 1.202 mW/g



0 dB = 1.200mW/g

**#19 WCDMA V\_RMC12.2K\_Bottom Face\_0cm\_sensor on\_Ch4132\_2D**

**DUT: 262503**

Communication System: UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.959$  mho/m;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4132/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.102 mW/g

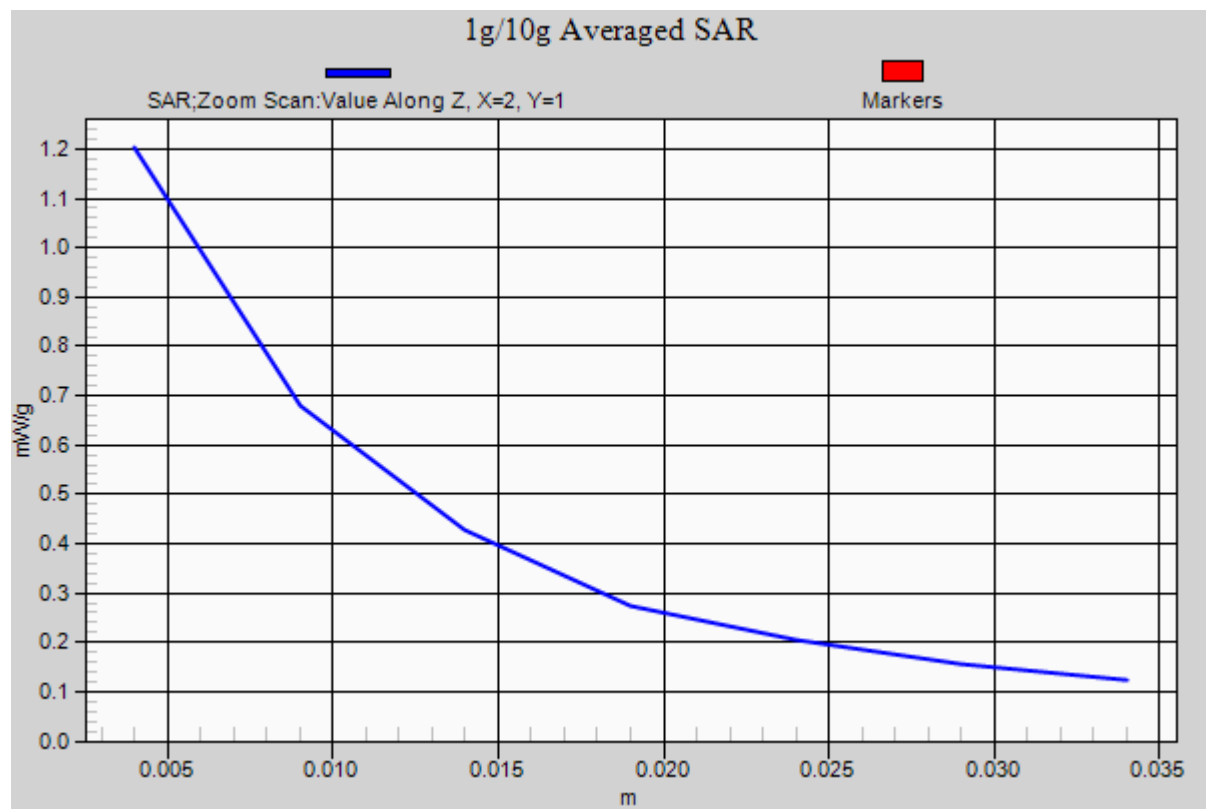
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.297 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.032 W/kg

**SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.603 mW/g**

Maximum value of SAR (measured) = 1.202 mW/g



**#24 WCDMA V\_RMC12.2K\_Bottom Face\_0cm\_sensor on\_Ch4182**

**DUT: 262503**

Communication System: UMTS; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.968$  mho/m;  $\epsilon_r =$

55.391;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4182/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.110 mW/g

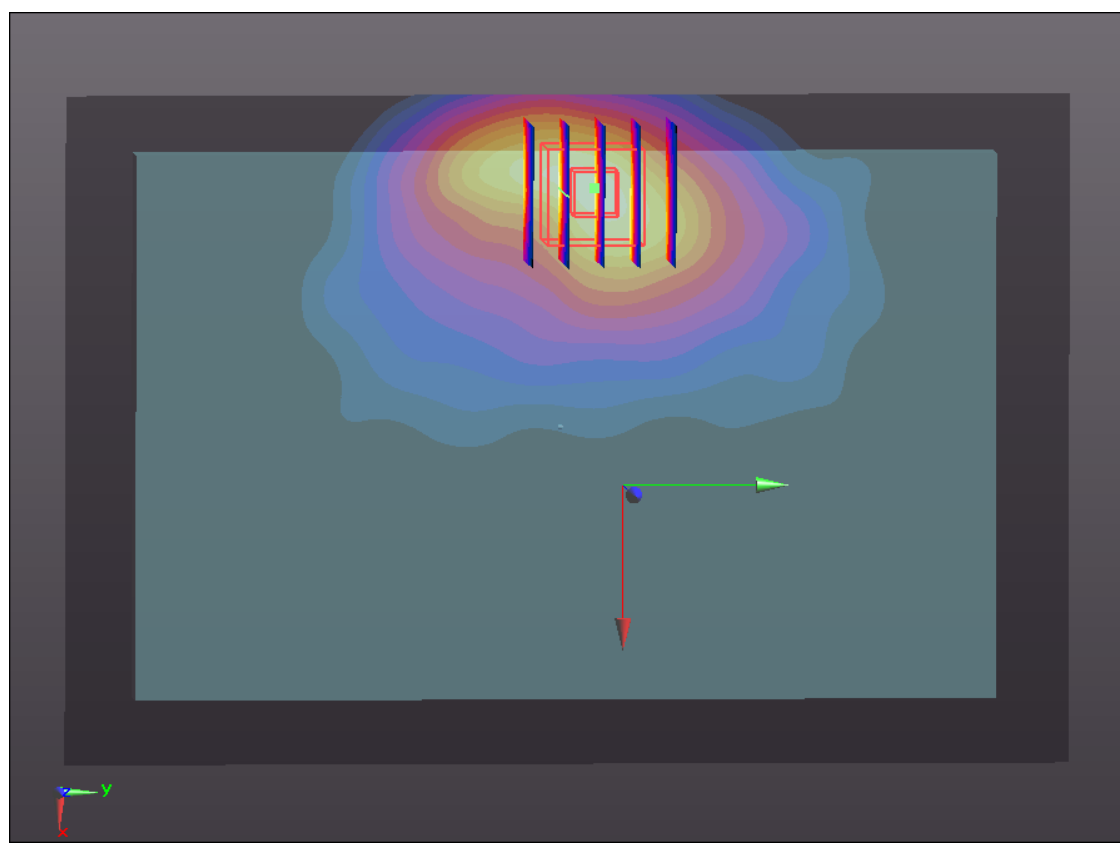
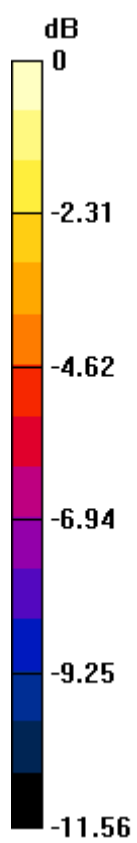
**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.159 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.984 W/kg

**SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.595 mW/g**

Maximum value of SAR (measured) = 1.194 mW/g



0 dB = 1.190mW/g

**#25 WCDMA V\_RMC12.2K\_Bottom Face\_0cm\_sensor on\_Ch4233**

**DUT: 262503**

Communication System: UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.979$  mho/m;  $\epsilon_r = 55.296$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.061 mW/g

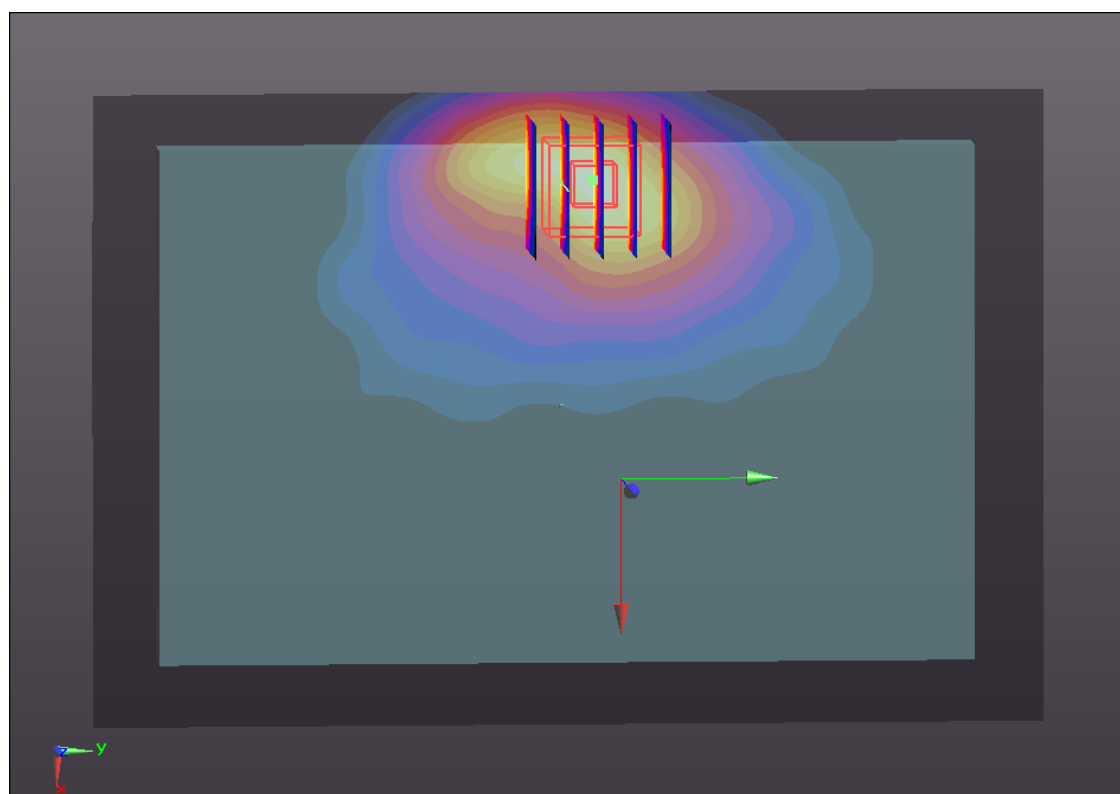
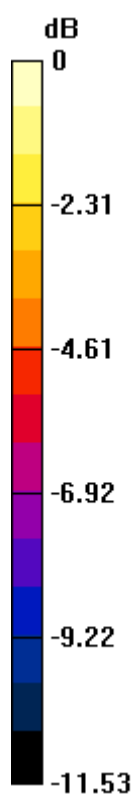
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.912 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.900 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.572 mW/g**

Maximum value of SAR (measured) = 1.148 mW/g



0 dB = 1.150mW/g

**#20 WCDMA V\_RMC12.2K\_RMC12.2K\_Primary Portrait\_0cm\_sensor on\_Ch4132**

**DUT: 262503**

Communication System: UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.959$  mho/m;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.1$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4132/Area Scan (31x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.824$  mW/g

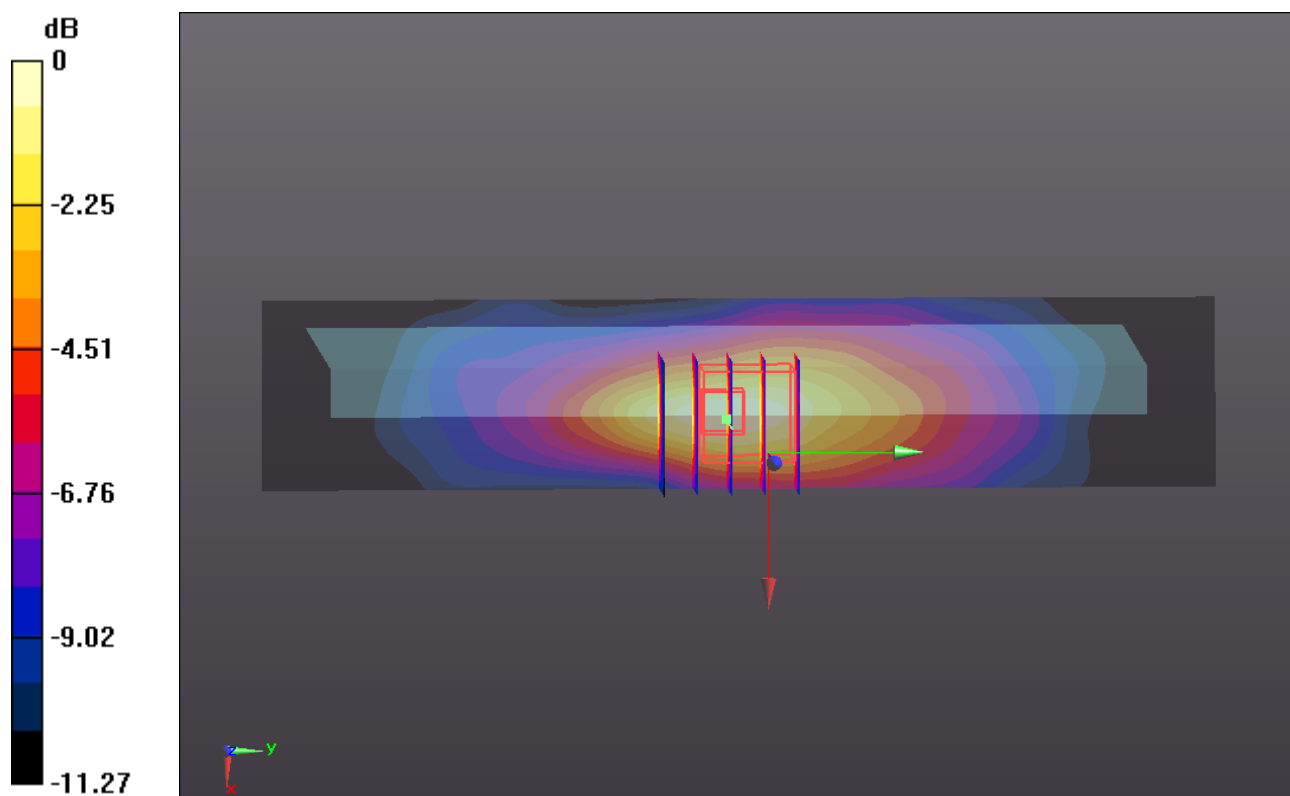
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $27.880$  V/m; Power Drift =  $-0.01$  dB

Peak SAR (extrapolated) =  $1.376$  W/kg

**SAR(1 g) =  $0.753$  mW/g; SAR(10 g) =  $0.430$  mW/g**

Maximum value of SAR (measured) =  $0.831$  mW/g



0 dB = 0.830mW/g

**#21 WCDMA V\_RMC12.2K\_Bottom Face\_0.9cm\_sensor off\_Ch4132**

**DUT: 262503**

Communication System: UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.959$  mho/m;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.1$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4132/Area Scan (101x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.962$  mW/g

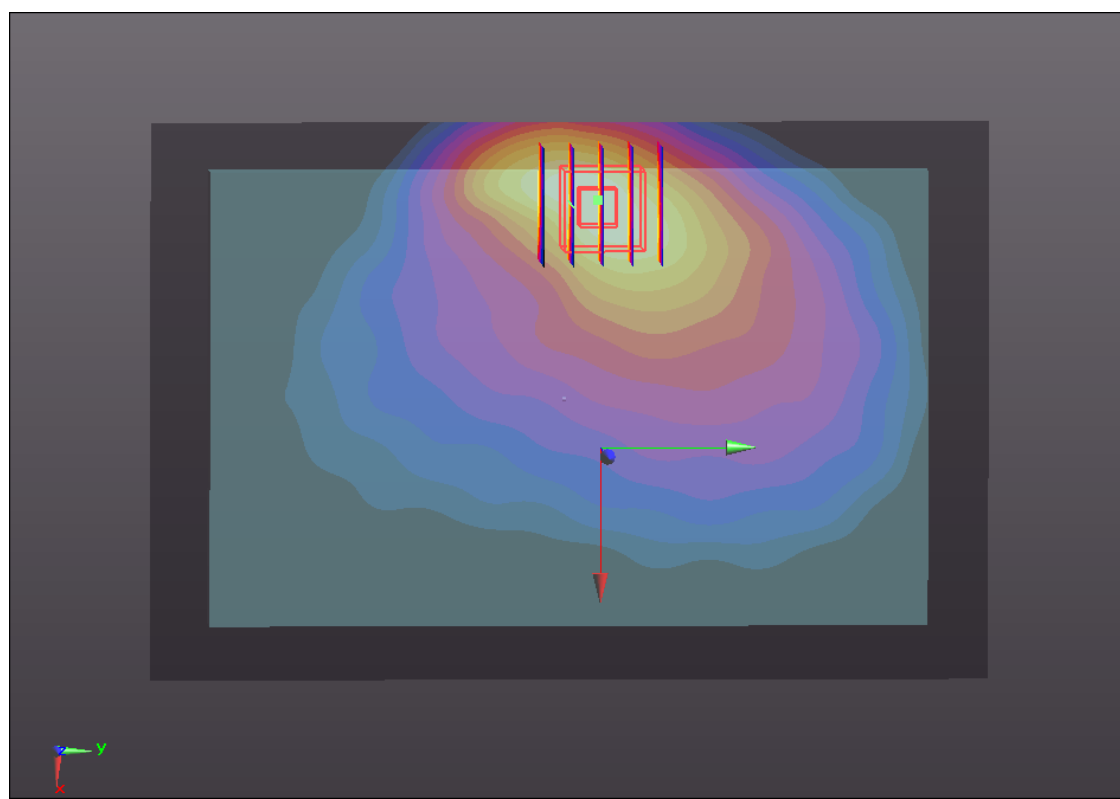
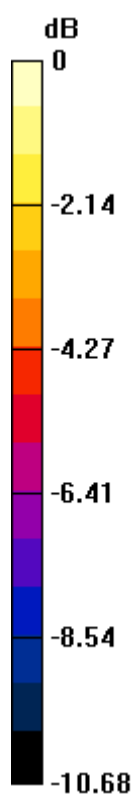
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $14.292$  V/m; Power Drift =  $-0.02$  dB

Peak SAR (extrapolated) =  $1.408$  W/kg

**SAR(1 g) =  $0.893$  mW/g; SAR(10 g) =  $0.562$  mW/g**

Maximum value of SAR (measured) =  $0.953$  mW/g



0 dB = 0.950mW/g

**#26 WCDMA V\_RMC12.2K\_Bottom Face\_0.9cm\_sensor off\_Ch4182**

**DUT: 262503**

Communication System: UMTS; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.968$  mho/m;  $\epsilon_r =$

55.391;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4182/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.106 mW/g

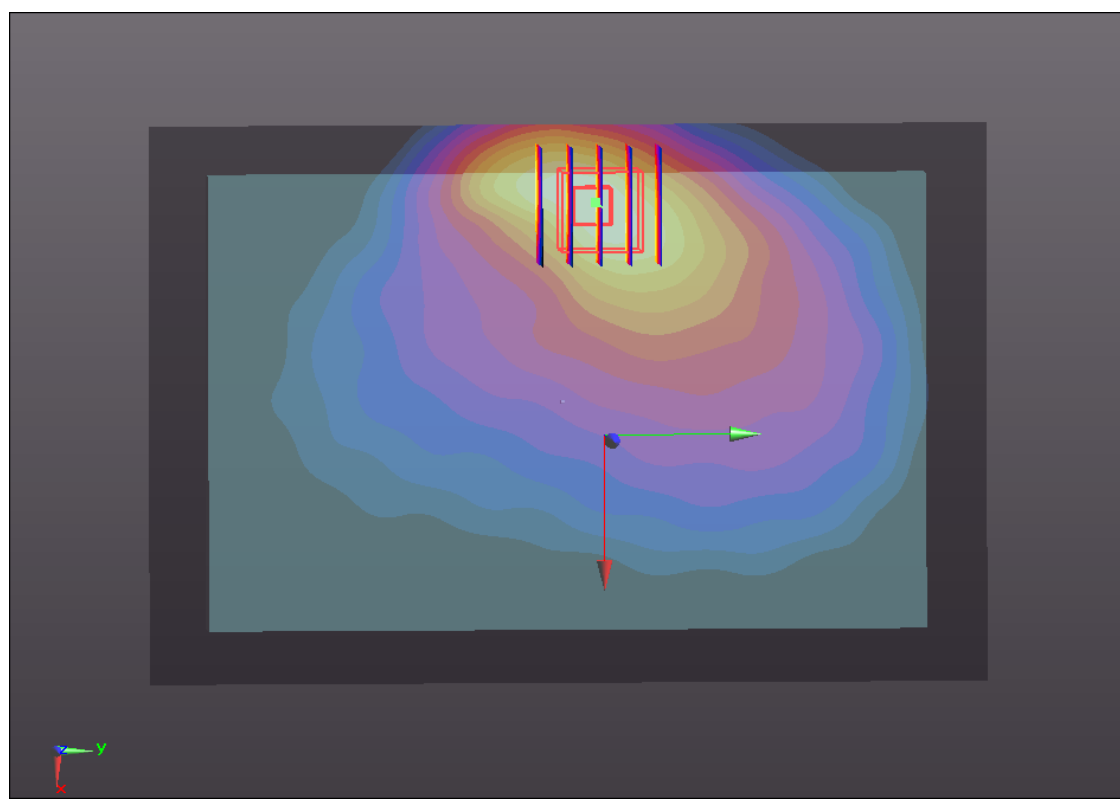
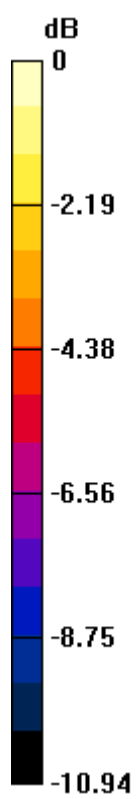
**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.003 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.621 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.640 mW/g**

Maximum value of SAR (measured) = 1.096 mW/g



0 dB = 1.100mW/g

**#27 WCDMA V\_RMC12.2K\_Bottom Face\_0.9cm\_sensor off\_Ch4233**

**DUT: 262503**

Communication System: UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.979$  mho/m;  $\epsilon_r = 55.296$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.102 mW/g

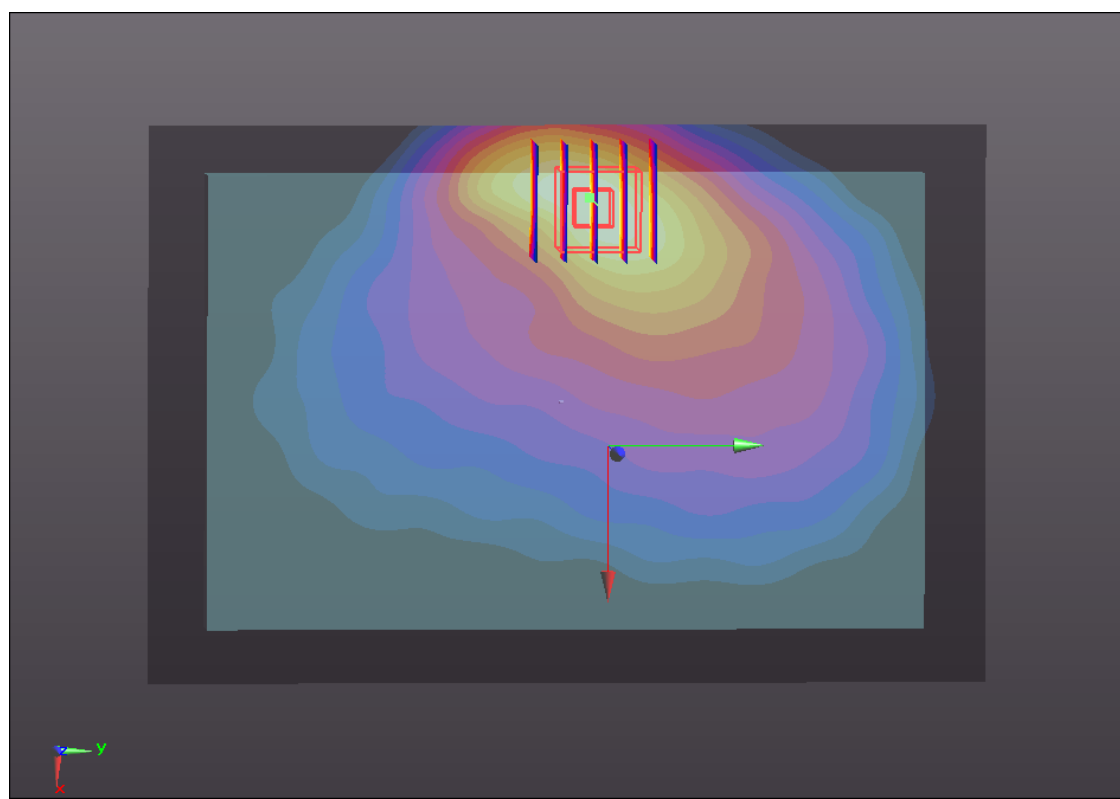
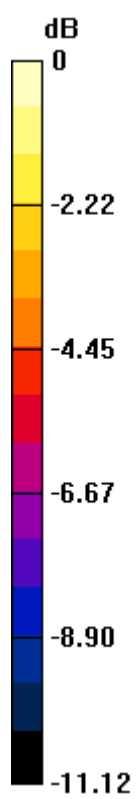
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.778 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.612 W/kg

**SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.638 mW/g**

Maximum value of SAR (measured) = 1.094 mW/g



0 dB = 1.090mW/g

**#22 WCDMA V\_RMC12.2K\_Primary Portrait\_0.7cm\_sensor off\_Ch4132**

**DUT: 262503**

Communication System: UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.959$  mho/m;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.1$  °C; Liquid Temperature :  $21.2$  °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4132/Area Scan (31x151x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.970$  mW/g

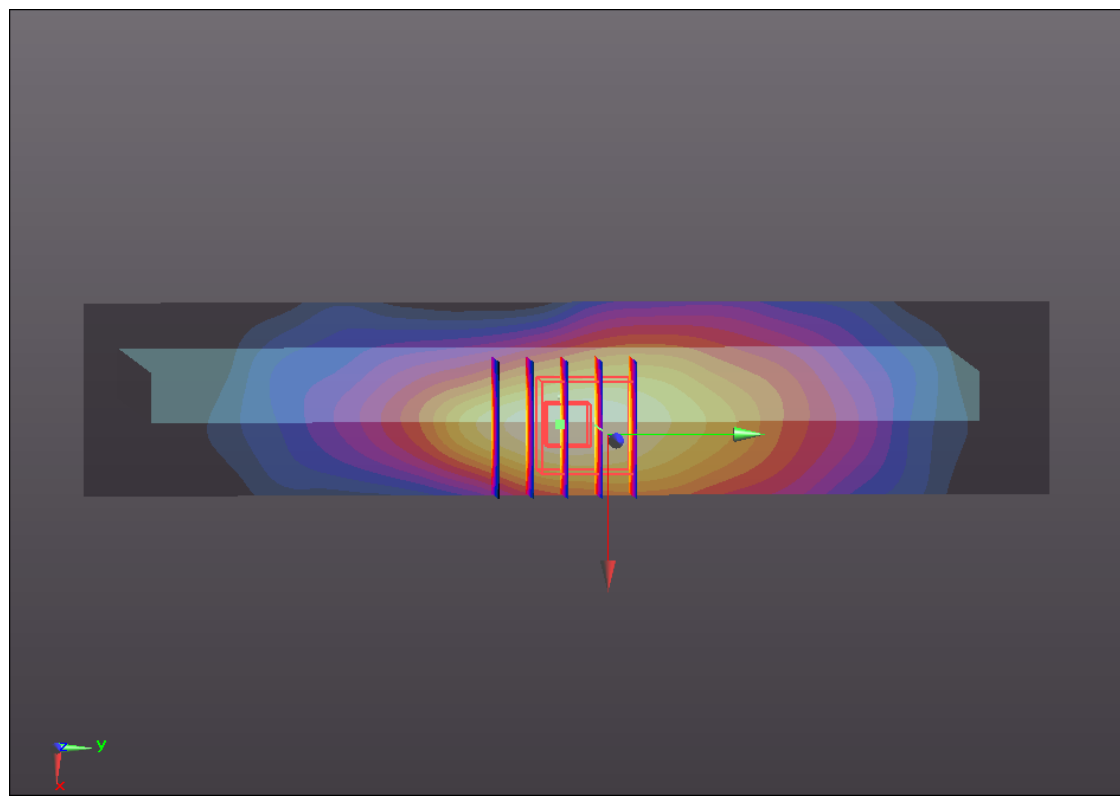
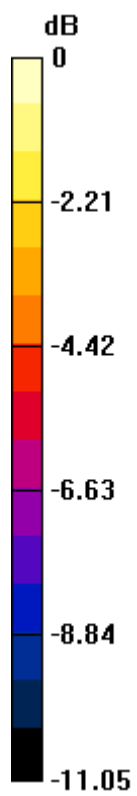
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $28.917$  V/m; Power Drift =  $-0.05$  dB

Peak SAR (extrapolated) =  $1.342$  W/kg

**SAR(1 g) =  $0.857$  mW/g; SAR(10 g) =  $0.539$  mW/g**

Maximum value of SAR (measured) =  $0.935$  mW/g



0 dB = 0.930mW/g

**#28 WCDMA V\_RMC12.2K\_Primary Portrait\_0.7cm\_sensor off\_Ch4182**

**DUT: 262503**

Communication System: UMTS; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 836.4 \text{ MHz}$ ;  $\sigma = 0.968 \text{ mho/m}$ ;  $\epsilon_r =$

$55.391$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.1 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.2 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4182/Area Scan (31x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.060 \text{ mW/g}$

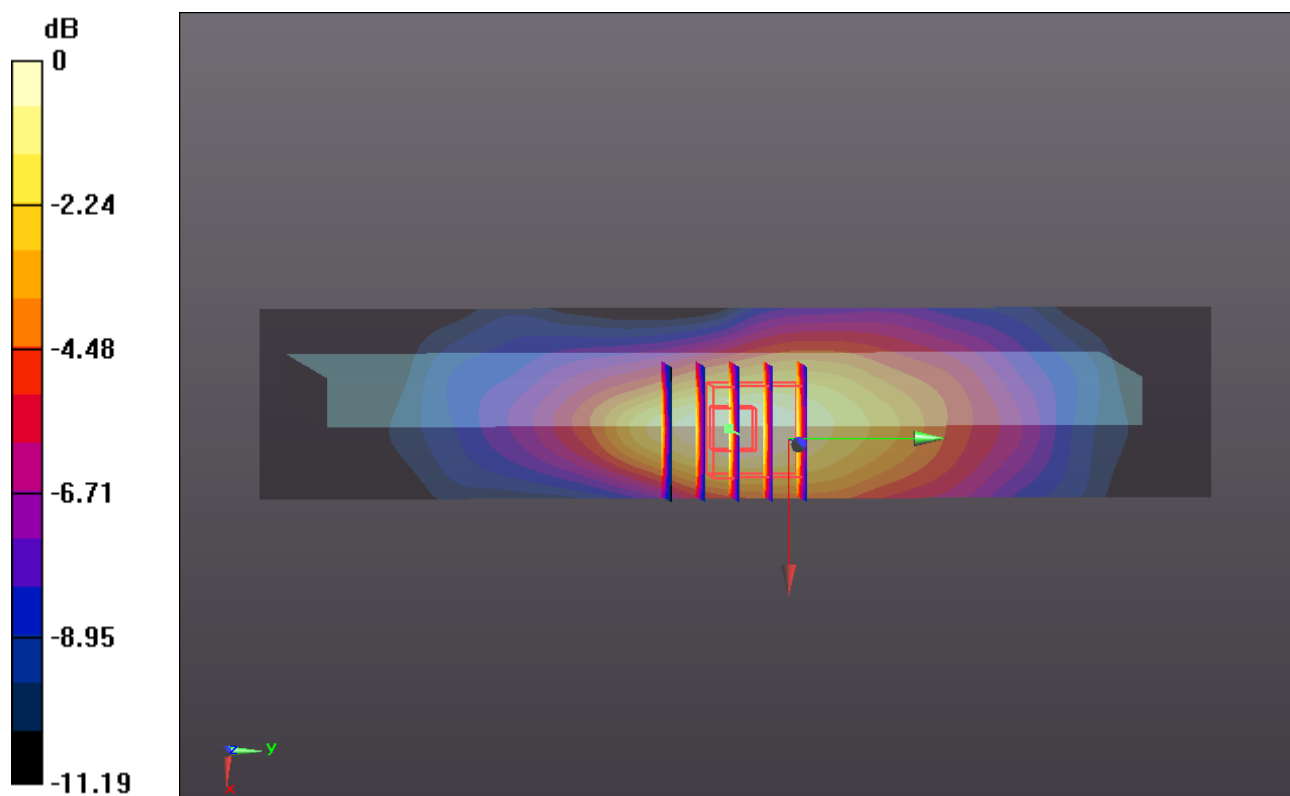
**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $29.972 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

Peak SAR (extrapolated) =  $1.482 \text{ W/kg}$

**SAR(1 g) =  $0.942 \text{ mW/g}$ ; SAR(10 g) =  $0.588 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.024 \text{ mW/g}$



**#29 WCDMA V\_RMC12.2K\_Primary Portrait\_0.7cm\_sensor off\_Ch4233**

**DUT: 262503**

Communication System: UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.979$  mho/m;  $\epsilon_r = 55.296$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.071 mW/g

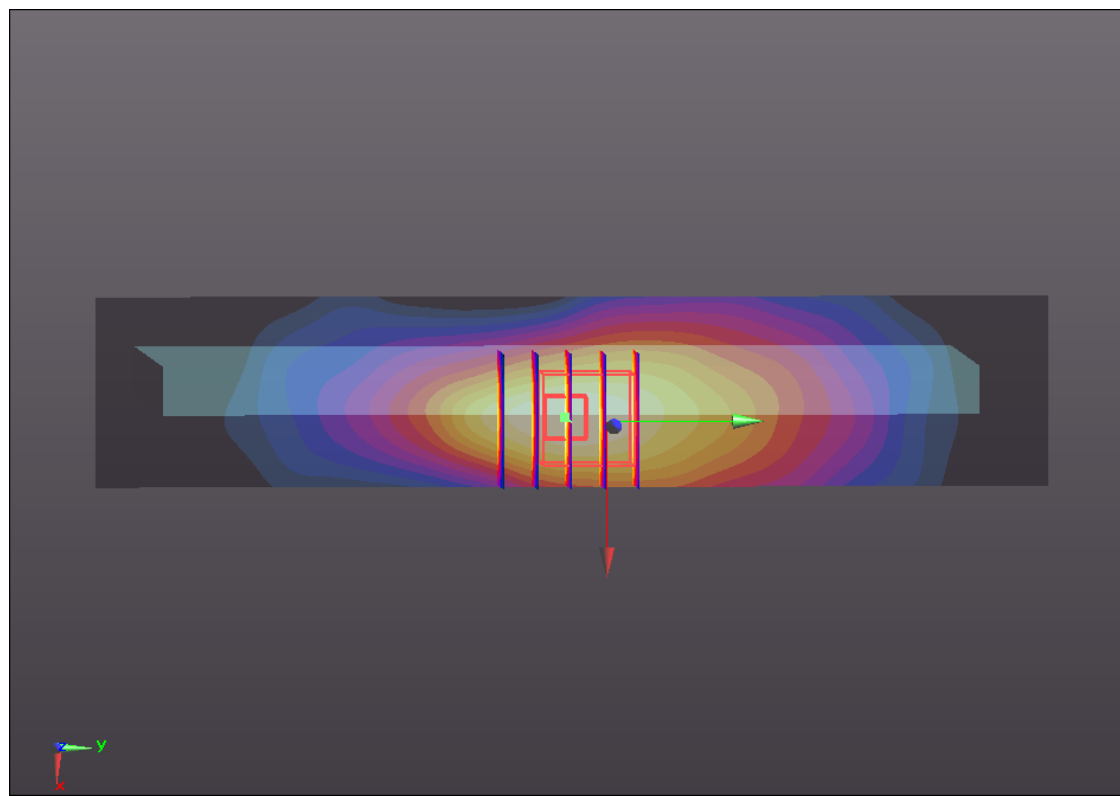
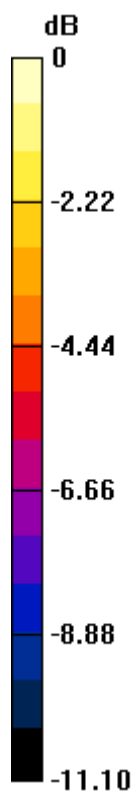
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.930 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.491 W/kg

**SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.588 mW/g**

Maximum value of SAR (measured) = 1.028 mW/g



0 dB = 1.030mW/g

**#23 WCDMA V\_RMC12.2K\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch4132**

**DUT: 262503**

Communication System: UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120716 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.959$  mho/m;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4132/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.703 mW/g

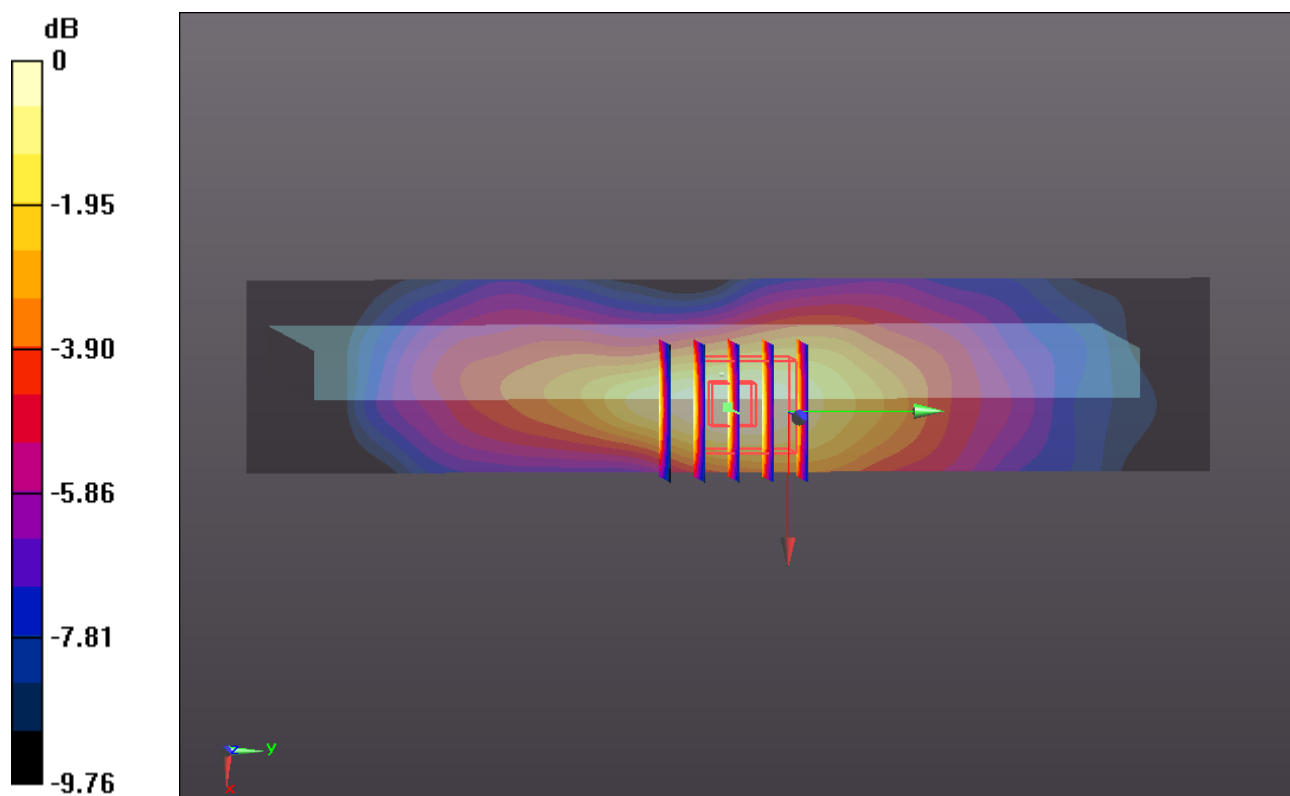
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.012 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.930 W/kg

**SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.411 mW/g**

Maximum value of SAR (measured) = 0.679 mW/g



**#47 WCDMA V\_RMC12.2K\_Primary Portrait\_Left Corner at 32 degree\_sensor off\_Ch4132**

**DUT: 262503**

Communication System: UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_120730 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.968 \text{ mho/m}$ ;  $\epsilon_r =$

$54.448$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch4132/Area Scan (31x171x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.065 \text{ mW/g}$

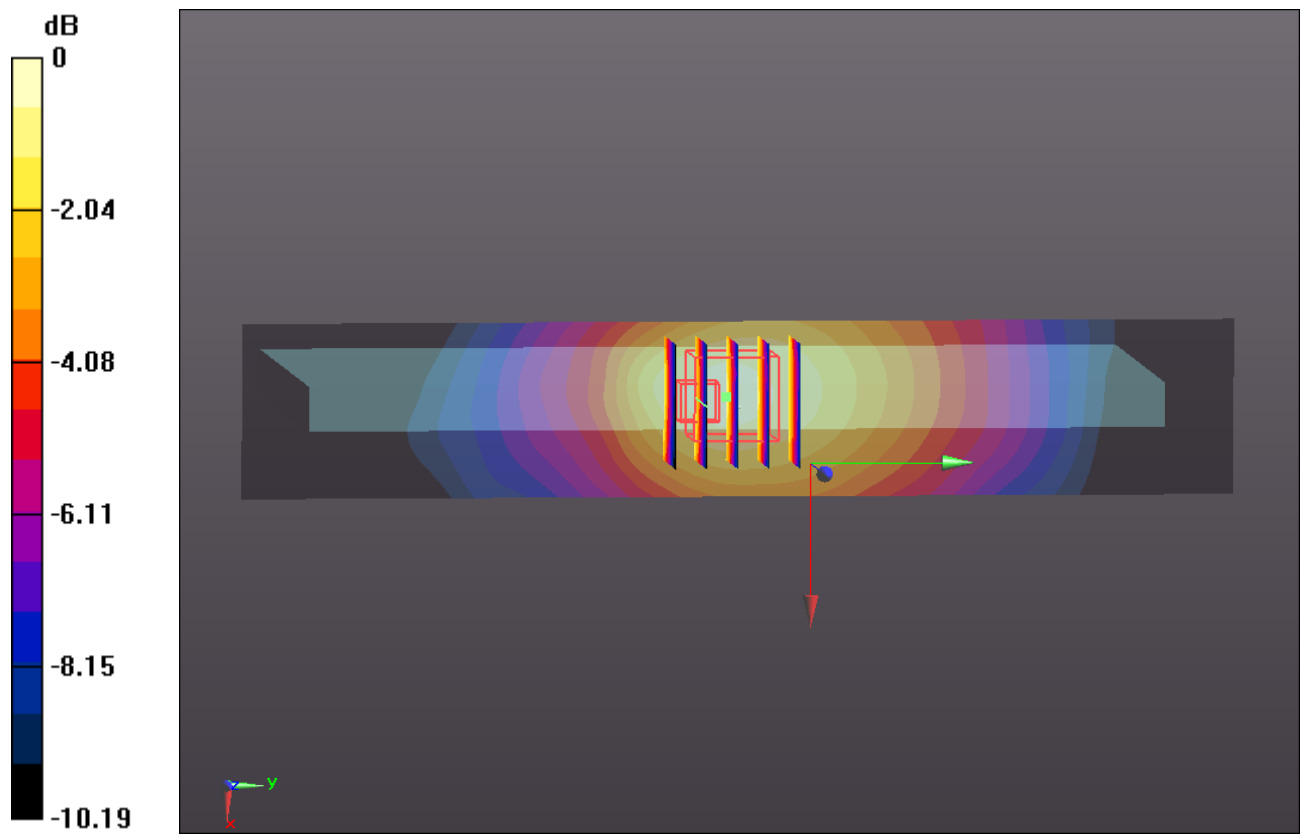
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $8.116 \text{ V/m}$ ; Power Drift =  $0.0045 \text{ dB}$

Peak SAR (extrapolated) =  $0.090 \text{ W/kg}$

**SAR(1 g) =  $0.062 \text{ mW/g}$ ; SAR(10 g) =  $0.042 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.069 \text{ mW/g}$



**#30 WCDMA II\_RMC12.2K\_Bottom Face\_0cm\_sensor on\_Ch9538**

**DUT: 262503**

Communication System: UMTS; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.555$  mho/m;  $\epsilon_r =$

53.787;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.046 mW/g

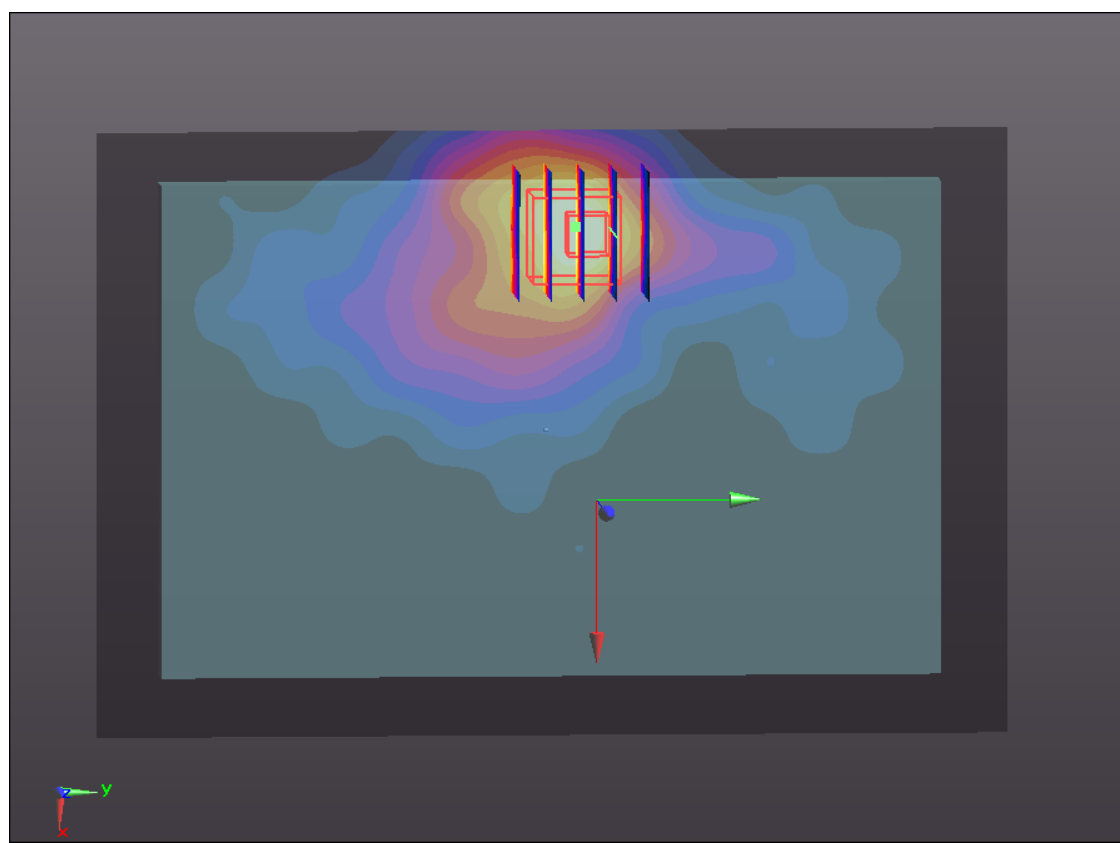
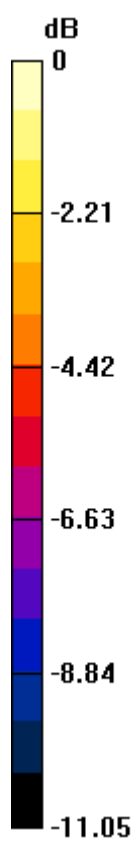
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.273 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.107 W/kg

**SAR(1 g) = 0.943 mW/g; SAR(10 g) = 0.506 mW/g**

Maximum value of SAR (measured) = 0.980 mW/g



0 dB = 0.980mW/g

**#35 WCDMA II\_RMC12.2K\_Bottom Face\_0cm\_sensor on\_Ch9262**

**DUT: 262503**

Communication System: UMTS; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.492$  mho/m;  $\epsilon_r =$

53.874;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9262/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.045 mW/g

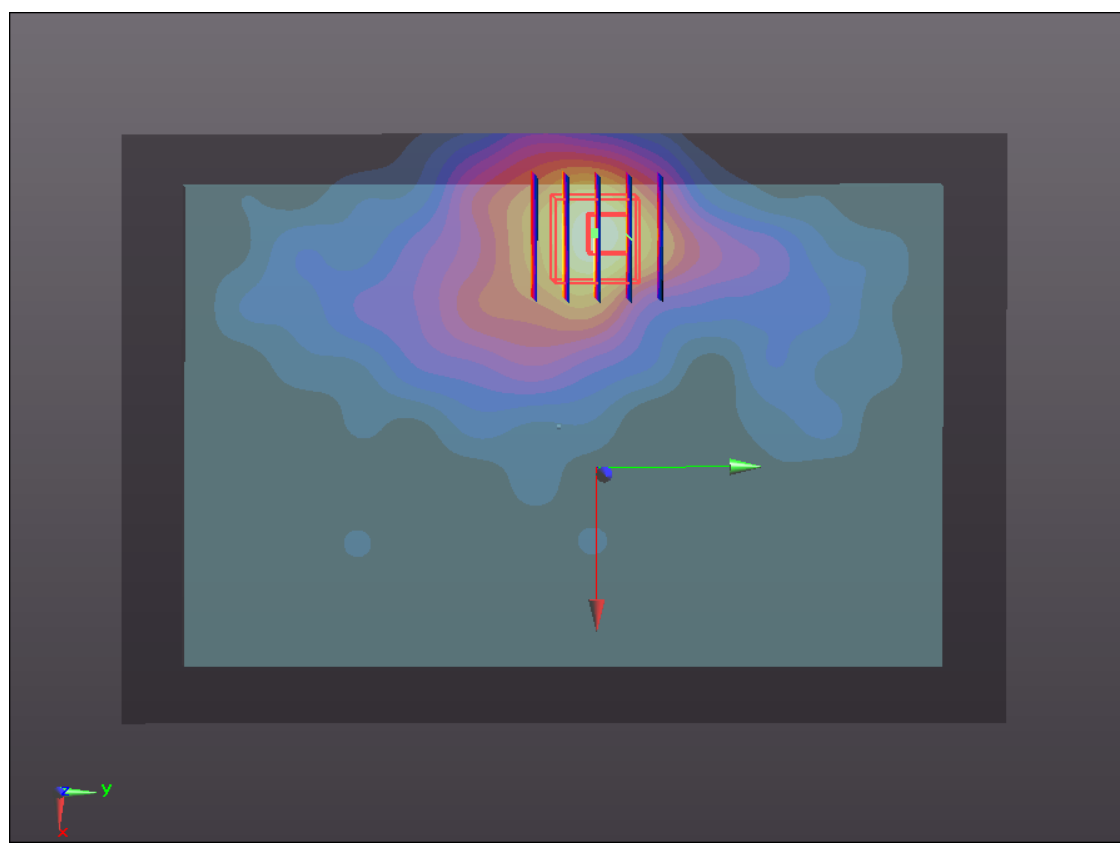
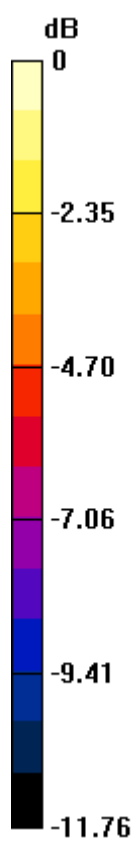
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.128 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.481 W/kg

**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.534 mW/g**

Maximum value of SAR (measured) = 1.085 mW/g



0 dB = 1.090mW/g

**#36 WCDMA II\_RMC12.2K\_Bottom Face\_0cm\_sensor on\_Ch9400**

**DUT: 262503**

Communication System: UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.525 \text{ mho/m}$ ;  $\epsilon_r =$

$53.834$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.4 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9400/Area Scan (101x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.123 \text{ mW/g}$

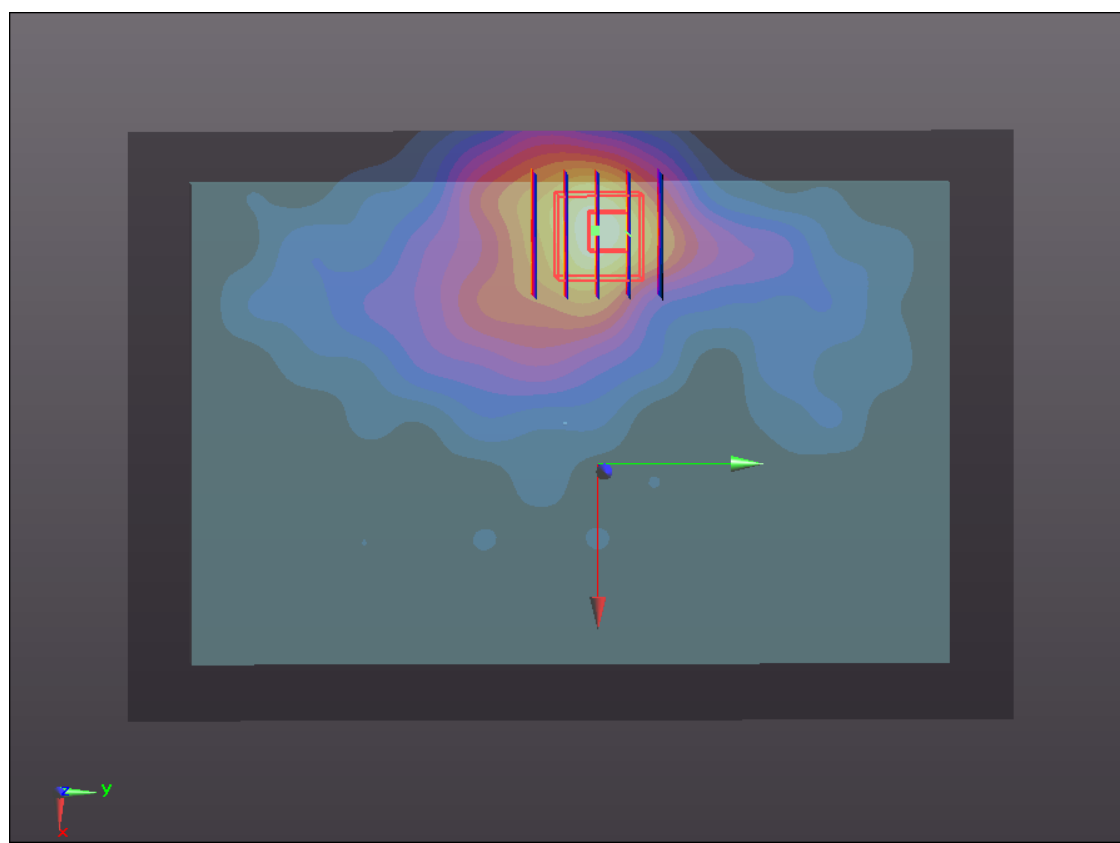
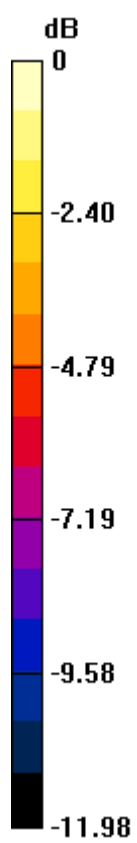
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $8.297 \text{ V/m}$ ; Power Drift =  $0.14 \text{ dB}$

Peak SAR (extrapolated) =  $2.428 \text{ W/kg}$

**SAR(1 g) =  $1.06 \text{ mW/g}$ ; SAR(10 g) =  $0.552 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.169 \text{ mW/g}$



0 dB = 1.170mW/g

**#31 WCDMA II\_RMC12.2K\_Primary Portrait\_0cm\_sensor on\_Ch9538**

**DUT: 262503**

Communication System: UMTS; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.555$  mho/m;  $\epsilon_r =$

53.787;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.820 mW/g

**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.822 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.103 W/kg

**SAR(1 g) = 0.675 mW/g; SAR(10 g) = 0.392 mW/g**

Maximum value of SAR (measured) = 0.727 mW/g

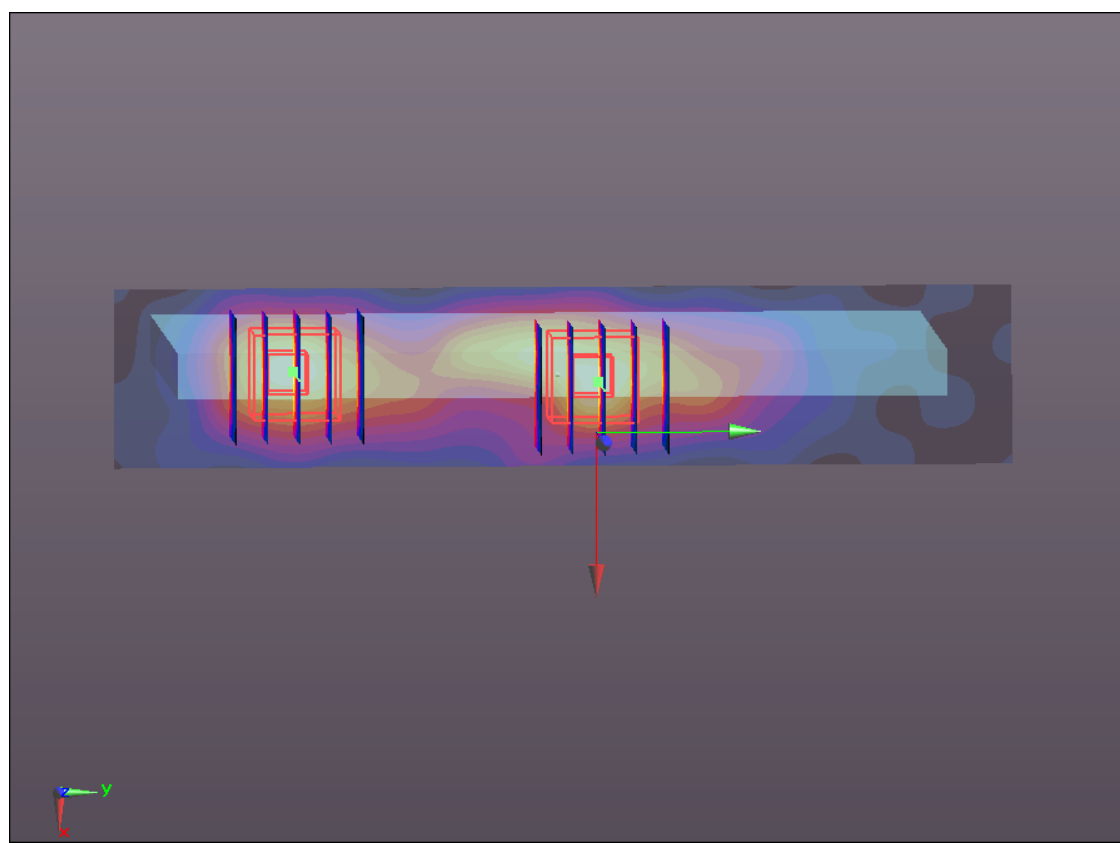
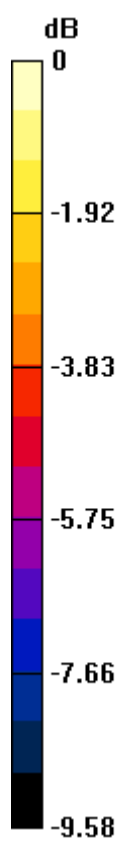
**Ch9538/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.822 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.579 W/kg

**SAR(1 g) = 0.736 mW/g; SAR(10 g) = 0.390 mW/g**

Maximum value of SAR (measured) = 0.817 mW/g



0 dB = 0.820mW/g

**#32 WCDMA II\_RMC12.2K\_Bottom Face\_0.9cm\_sensor off\_Ch9538**

**DUT: 262503**

Communication System: UMTS; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.555$  mho/m;  $\epsilon_r =$

53.787;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.642 mW/g

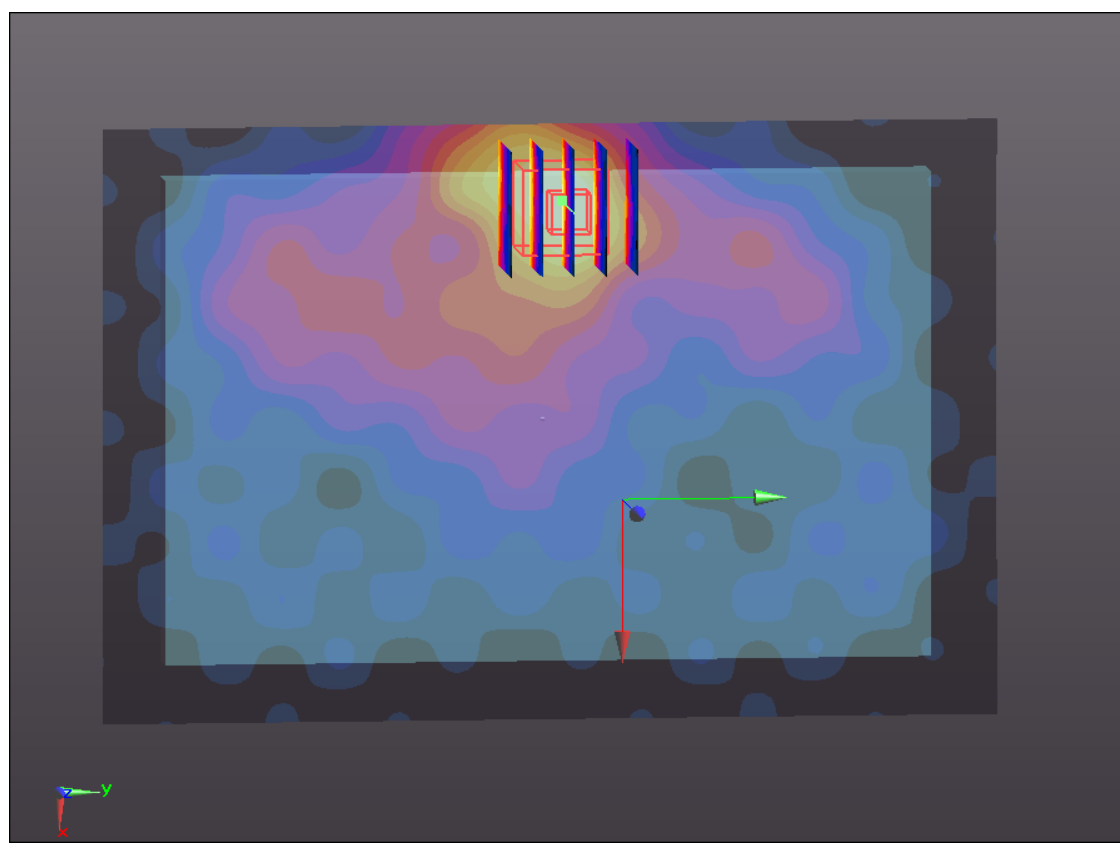
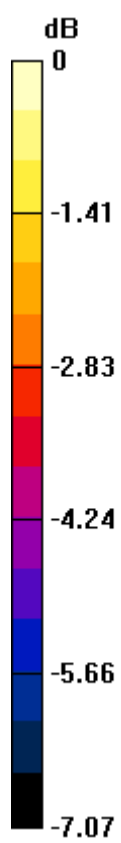
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.555 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.014 W/kg

**SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.374 mW/g**

Maximum value of SAR (measured) = 0.596 mW/g



0 dB = 0.600mW/g

**#33 WCDMA II\_RMC12.2K\_Primary Portrait\_0.7cm\_sensor off\_Ch9538**

**DUT: 262503**

Communication System: UMTS; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.555$  mho/m;  $\epsilon_r =$

53.787;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.732 mW/g

**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.353 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.260 W/kg

**SAR(1 g) = 0.712 mW/g; SAR(10 g) = 0.403 mW/g**

Maximum value of SAR (measured) = 0.756 mW/g

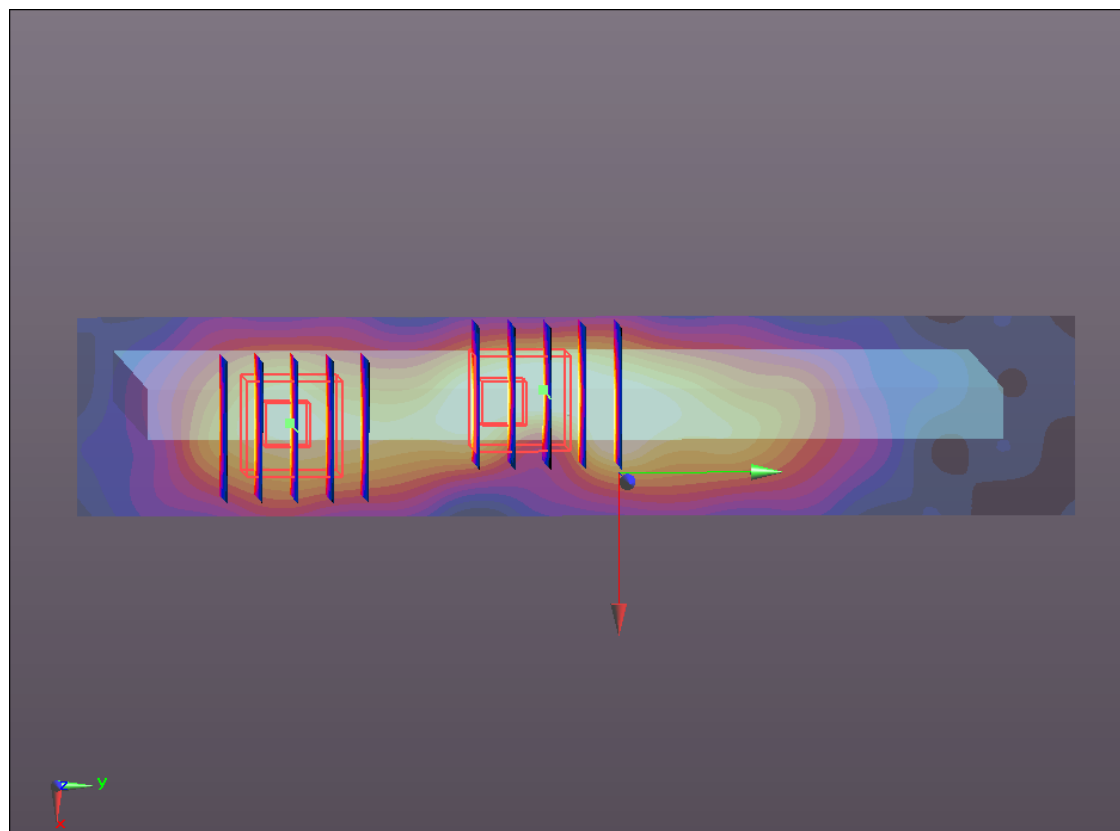
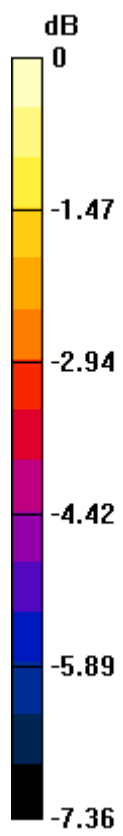
**Ch9538/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.353 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.763 W/kg

**SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.345 mW/g**

Maximum value of SAR (measured) = 0.582 mW/g



0 dB = 0.580mW/g

**#34 WCDMA II\_RMC12.2K\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch9538**

**DUT: 262503**

Communication System: UMTS; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.555$  mho/m;  $\epsilon_r =$

53.787;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.473 mW/g

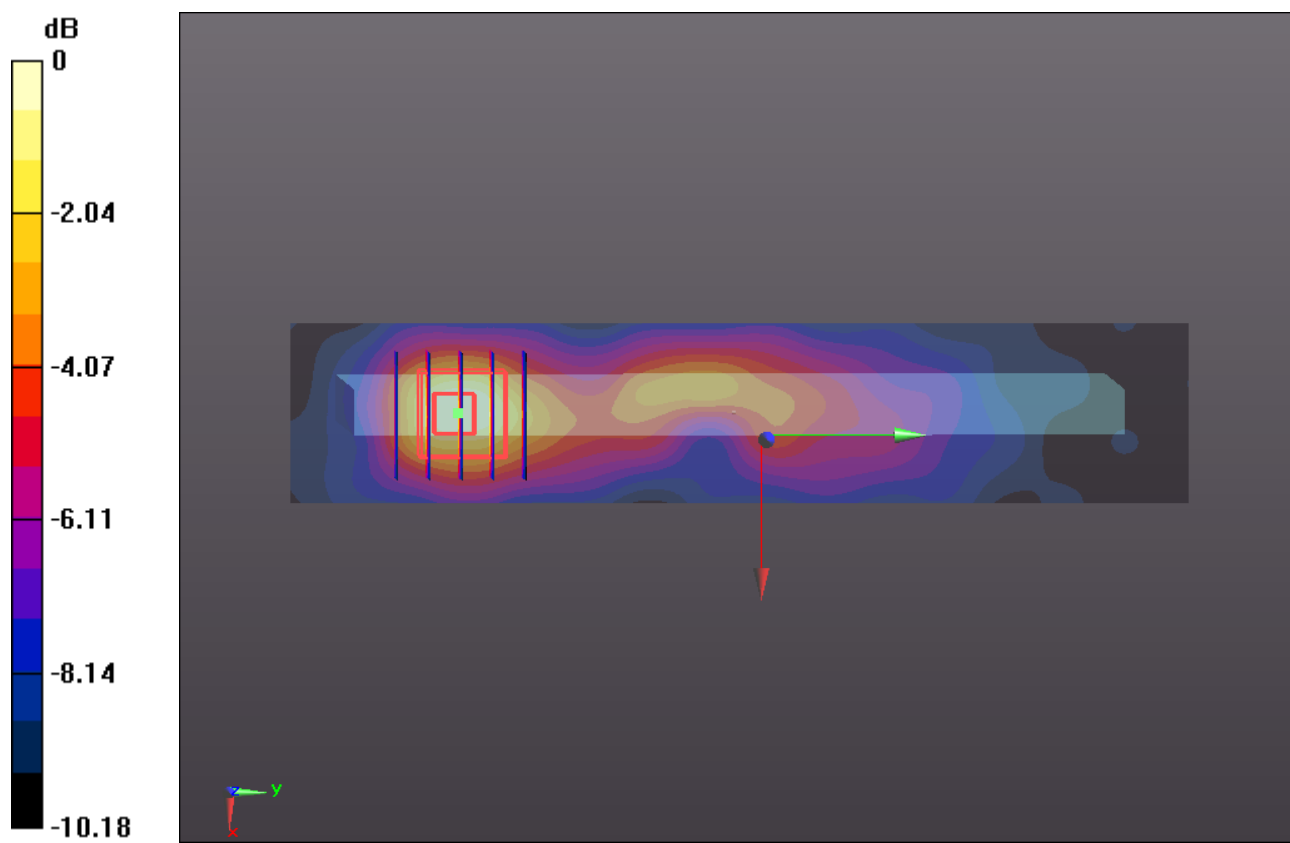
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.504 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.079 W/kg

**SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.685 mW/g**

Maximum value of SAR (measured) = 1.338 mW/g



0 dB = 1.340mW/g

**#37 WCDMA II\_RMC12.2K\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch9262**

**DUT: 262503**

Communication System: UMTS; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.492 \text{ mho/m}$ ;  $\epsilon_r =$

$53.874$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.4 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9262/Area Scan (31x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.570 \text{ mW/g}$

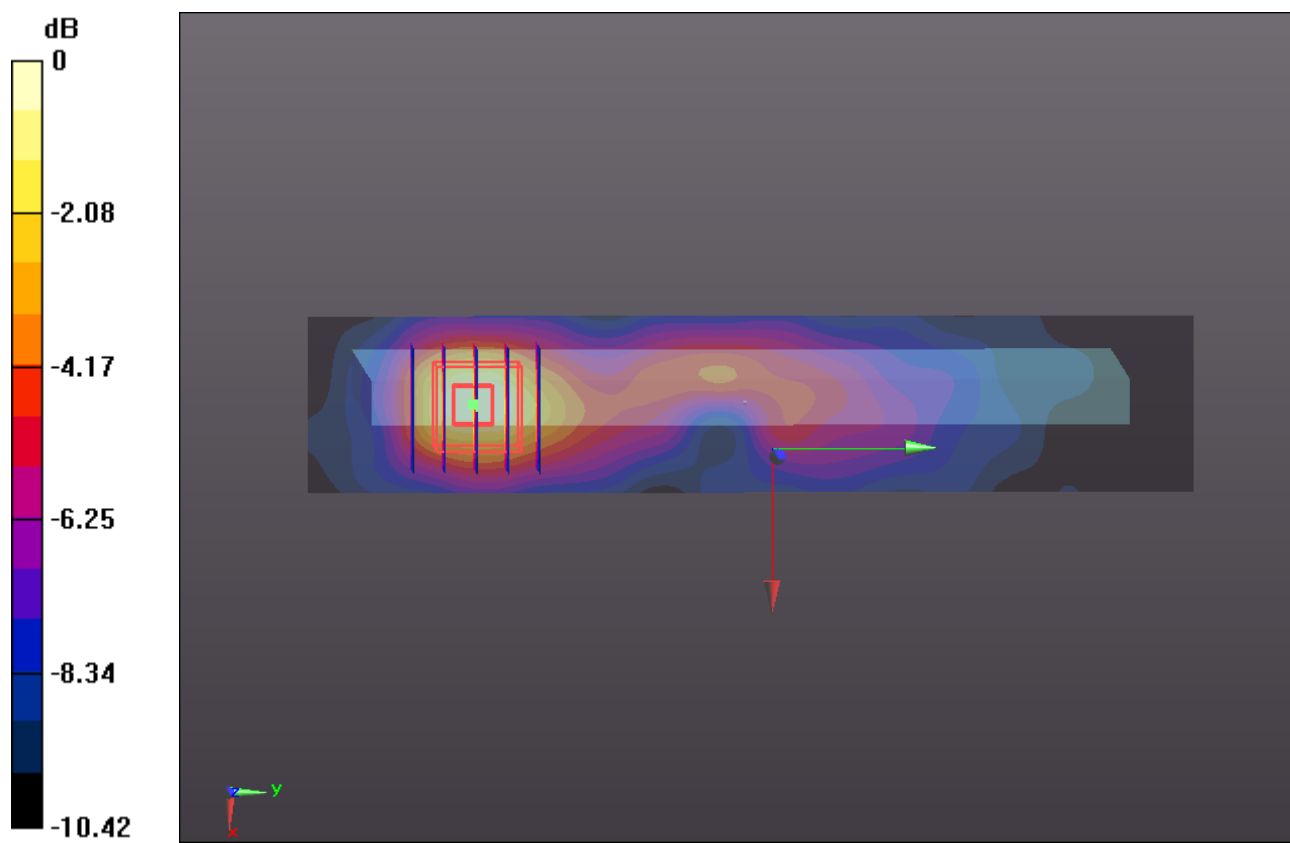
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $16.835 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$

Peak SAR (extrapolated) =  $2.156 \text{ W/kg}$

**SAR(1 g) =  $1.29 \text{ mW/g}$ ; SAR(10 g) =  $0.734 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.415 \text{ mW/g}$



**#38 WCDMA II\_RMC12.2K\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch9400**

**DUT: 262503**

Communication System: UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.525$  mho/m;  $\epsilon_r =$

53.834;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9400/Area Scan (31x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.633 mW/g

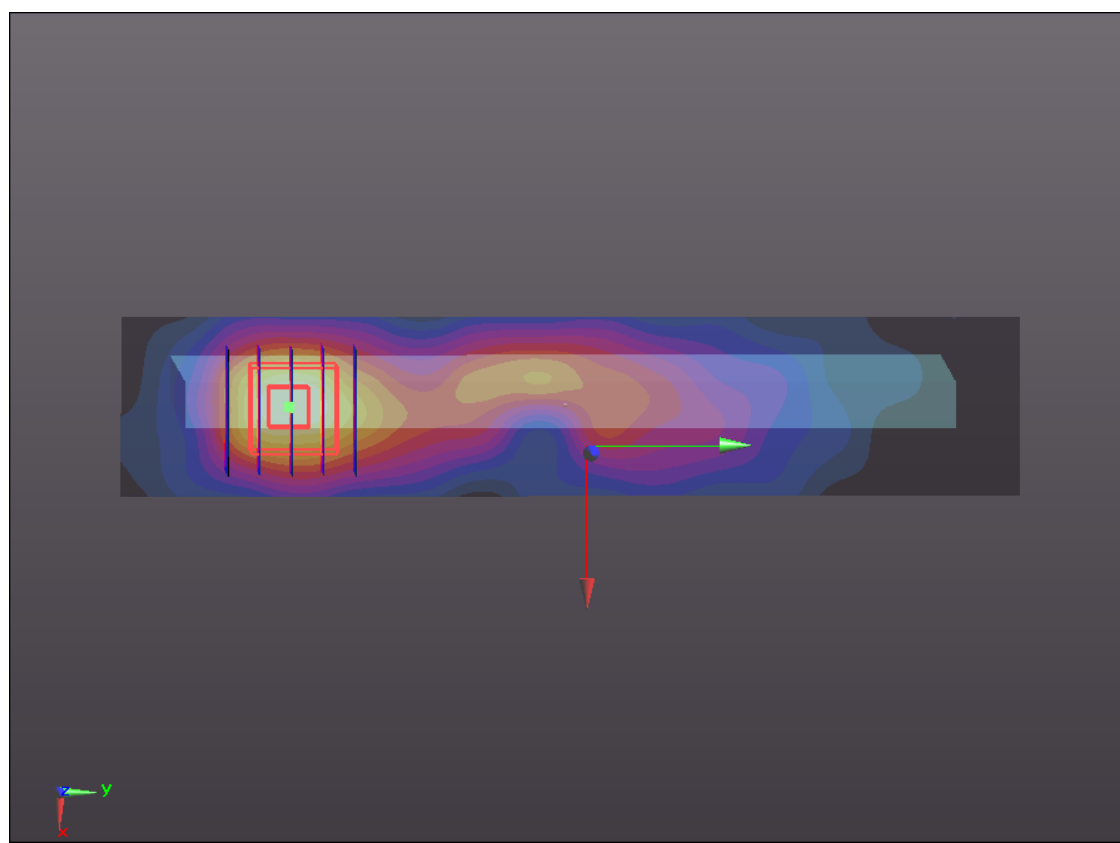
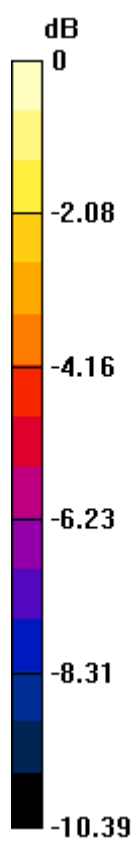
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.679 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.225 W/kg

**SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.757 mW/g**

Maximum value of SAR (measured) = 1.469 mW/g



0 dB = 1.470mW/g

**#38 WCDMA II\_RMC12.2K\_Primary Portrait\_Right Corner at 6 degree\_sensor off\_Ch9400\_2D**

**DUT: 262503**

Communication System: UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120717 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.525 \text{ mho/m}$ ;  $\epsilon_r =$

$53.834$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.4 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9400/Area Scan (31x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.633 \text{ mW/g}$

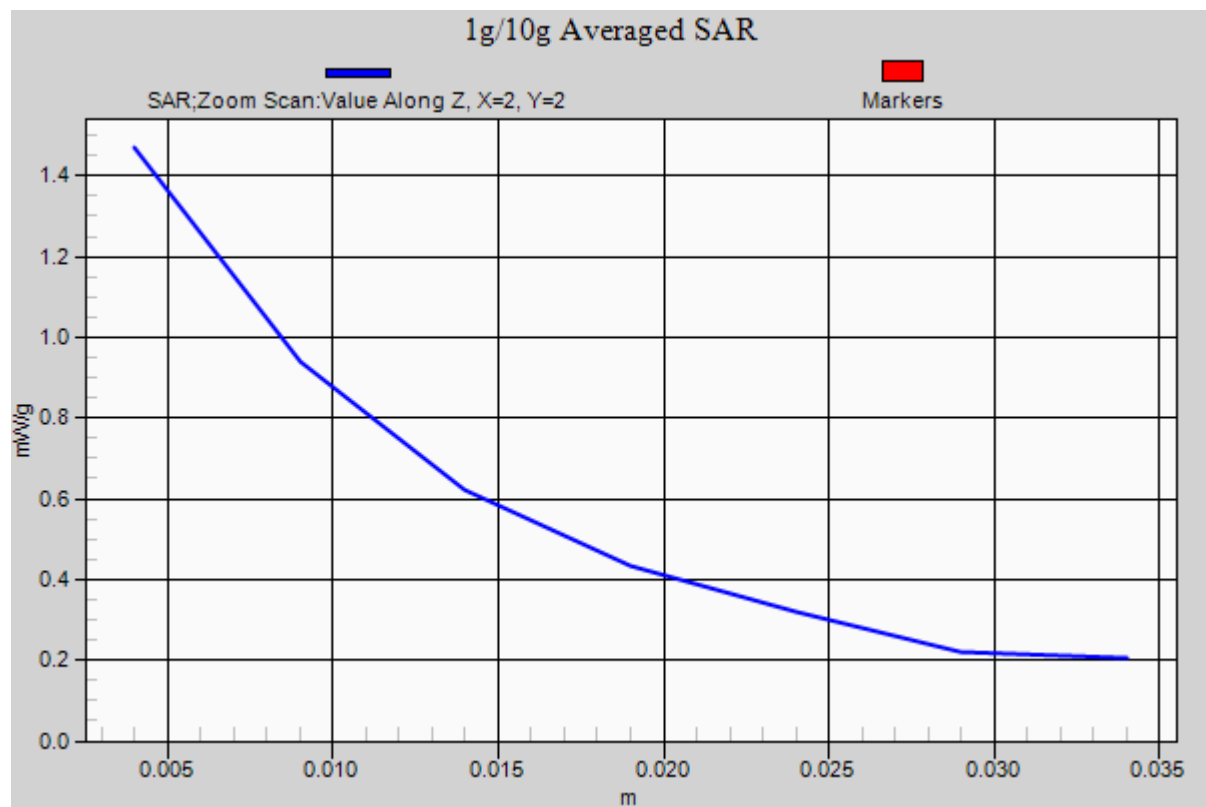
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $18.679 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$

Peak SAR (extrapolated) =  $2.225 \text{ W/kg}$

**SAR(1 g) =  $1.34 \text{ mW/g}$ ; SAR(10 g) =  $0.757 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.469 \text{ mW/g}$



**#48 WCDMA II\_RMC12.2K\_Primary Portrait\_Left Corner at 32 degree\_sensor off\_Ch9538**

**DUT: 262503**

Communication System: UMTS; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_120730 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.542$  mho/m;  $\epsilon_r =$

54.552;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (31x171x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.048 mW/g

**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.005 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.069 W/kg

**SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.027 mW/g**

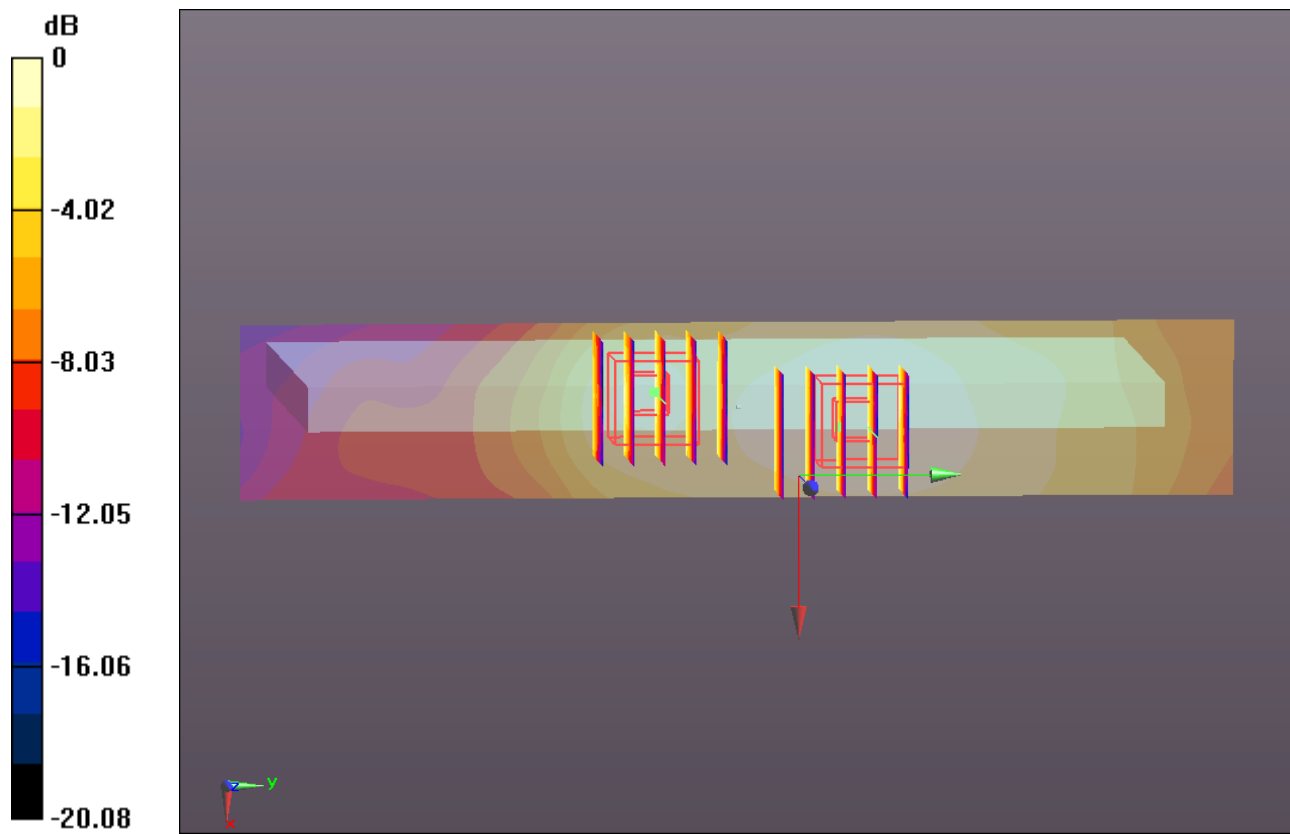
Maximum value of SAR (measured) = 0.047 mW/g

**Ch9538/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.005 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.062 W/kg

**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.024 mW/g**



0 dB = 0.050mW/g

**#41 802.11b\_Bottom Face\_0cm\_1M\_Ch6**

**DUT: 262503**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_120730 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.912$  mho/m;  $\epsilon_r = 54.01$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch6/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.551 mW/g

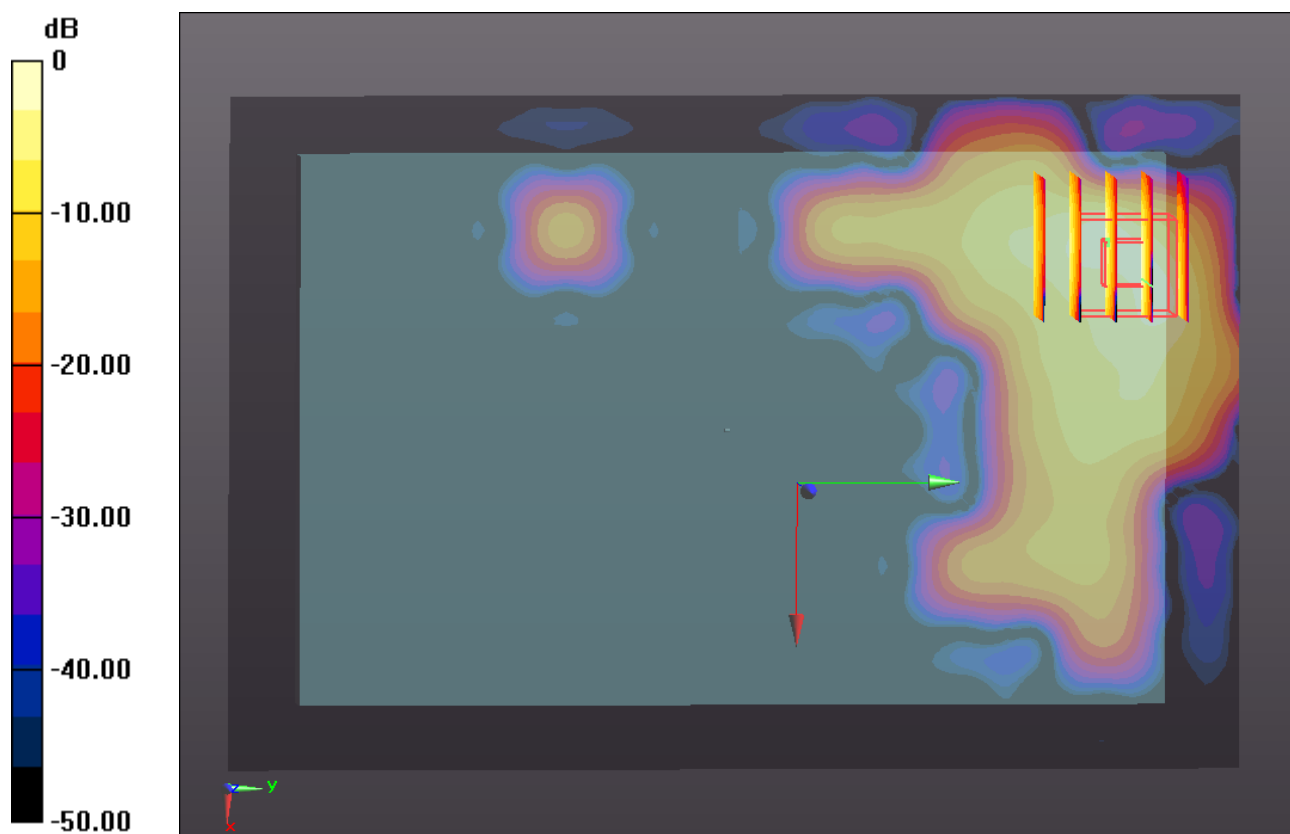
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0 dB

Peak SAR (extrapolated) = 1.352 W/kg

**SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.189 mW/g**

Maximum value of SAR (measured) = 0.579 mW/g



0 dB = 0.580mW/g

**#41 802.11b\_Bottom Face\_0cm\_1M\_Ch6\_2D**

**DUT: 262503**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_120730 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.912$  mho/m;  $\epsilon_r =$

54.01;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch6/Area Scan (101x151x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.551 mW/g

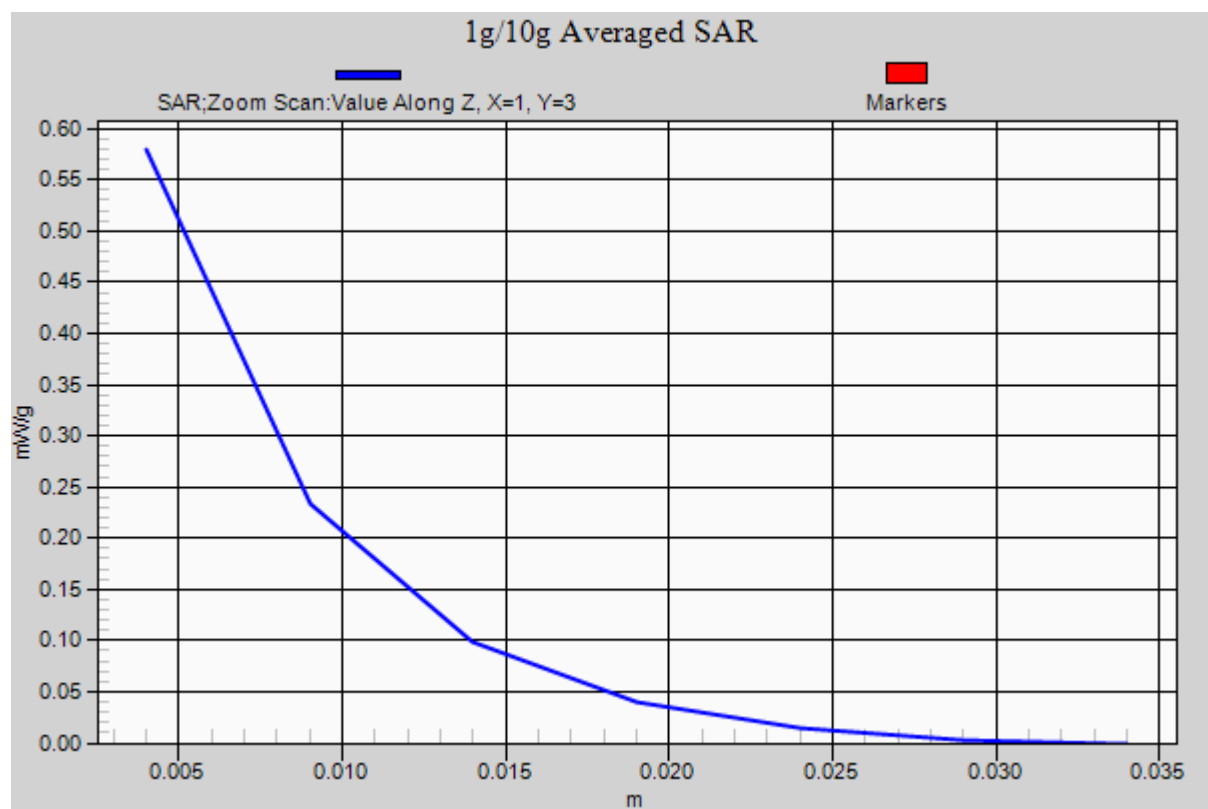
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0 dB

Peak SAR (extrapolated) = 1.352 W/kg

**SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.189 mW/g**

Maximum value of SAR (measured) = 0.579 mW/g



**#42 802.11b\_Primary Portrait\_0cm\_1M\_Ch6**

**DUT: 262503**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_120730 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.912 \text{ mho/m}$ ;  $\epsilon_r = 54.01$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5^\circ\text{C}$ ; Liquid Temperature :  $21.4^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch6/Area Scan (31x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.088 \text{ mW/g}$

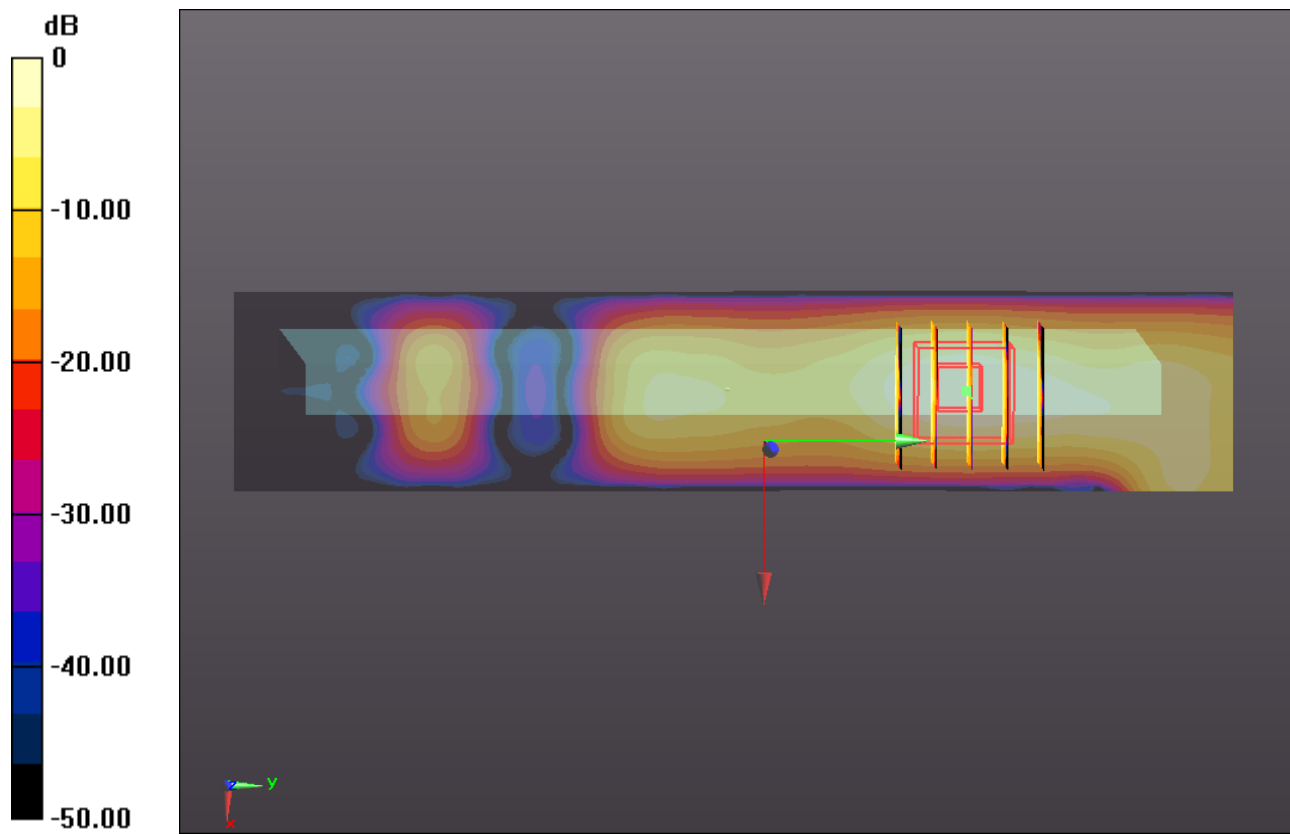
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $2.686 \text{ V/m}$ ; Power Drift =  $0.06 \text{ dB}$

Peak SAR (extrapolated) =  $0.090 \text{ W/kg}$

**SAR(1 g) =  $0.045 \text{ mW/g}$ ; SAR(10 g) =  $0.020 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.058 \text{ mW/g}$



0 dB = 0.060mW/g

## #43 802.11b\_Secondary Landscape\_0cm\_1M\_Ch6

**DUT: 262503**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_1200730 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.912$  mho/m;  $\epsilon_r =$

54.01;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch6/Area Scan (31x101x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.348 mW/g

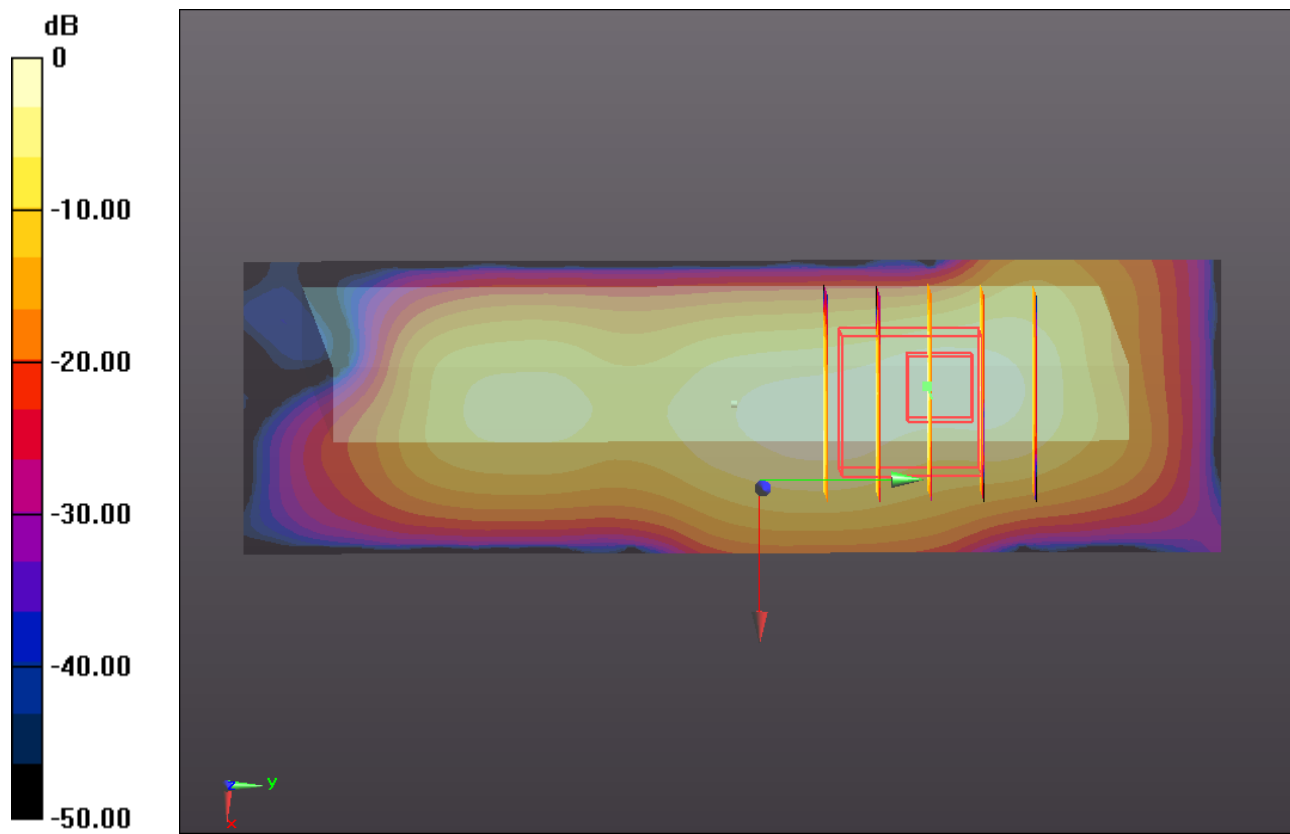
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.921 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.672 W/kg

**SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.115 mW/g**

Maximum value of SAR (measured) = 0.367 mW/g



0 dB = 0.370mW/g

**#44 802.11b\_Primary Portrait\_Right Corner at 6 degree\_1M\_Ch6**

**DUT: 262503**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_120807 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.912 \text{ mho/m}$ ;  $\epsilon_r =$

$54.01$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5^\circ\text{C}$ ; Liquid Temperature :  $21.4^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch6/Area Scan (31x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.017 \text{ mW/g}$

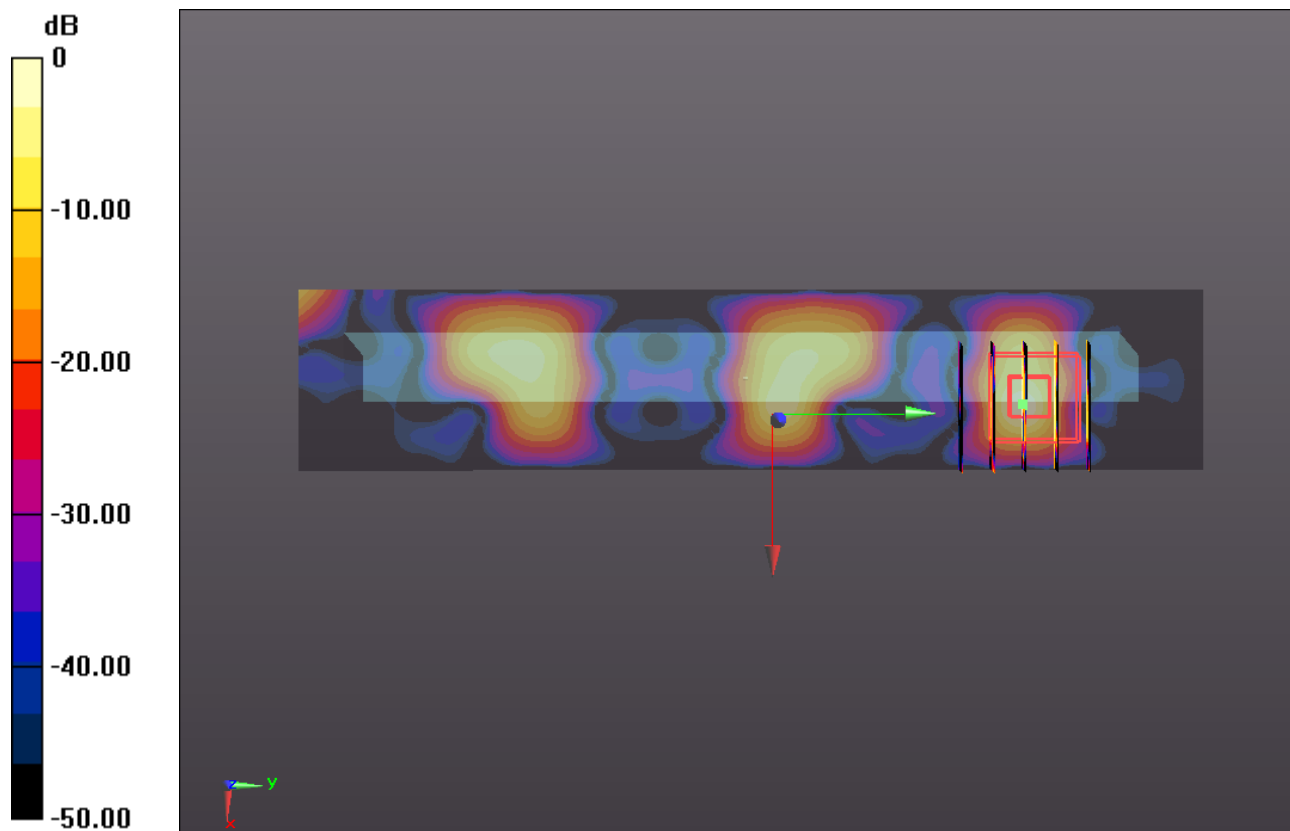
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $1.171 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.035 \text{ W/kg}$

**SAR(1 g) =  $0.016 \text{ mW/g}$ ; SAR(10 g) =  $0.0045 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.020 \text{ mW/g}$



0 dB = 0.020mW/g

**#49 802.11b\_Secondary Landscape\_Left Corner at 32 degree\_1M\_Ch6**

**DUT: 262503**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_120730 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.912 \text{ mho/m}$ ;  $\epsilon_r =$

$54.01$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.4 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch6/Area Scan (31x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.055 \text{ mW/g}$

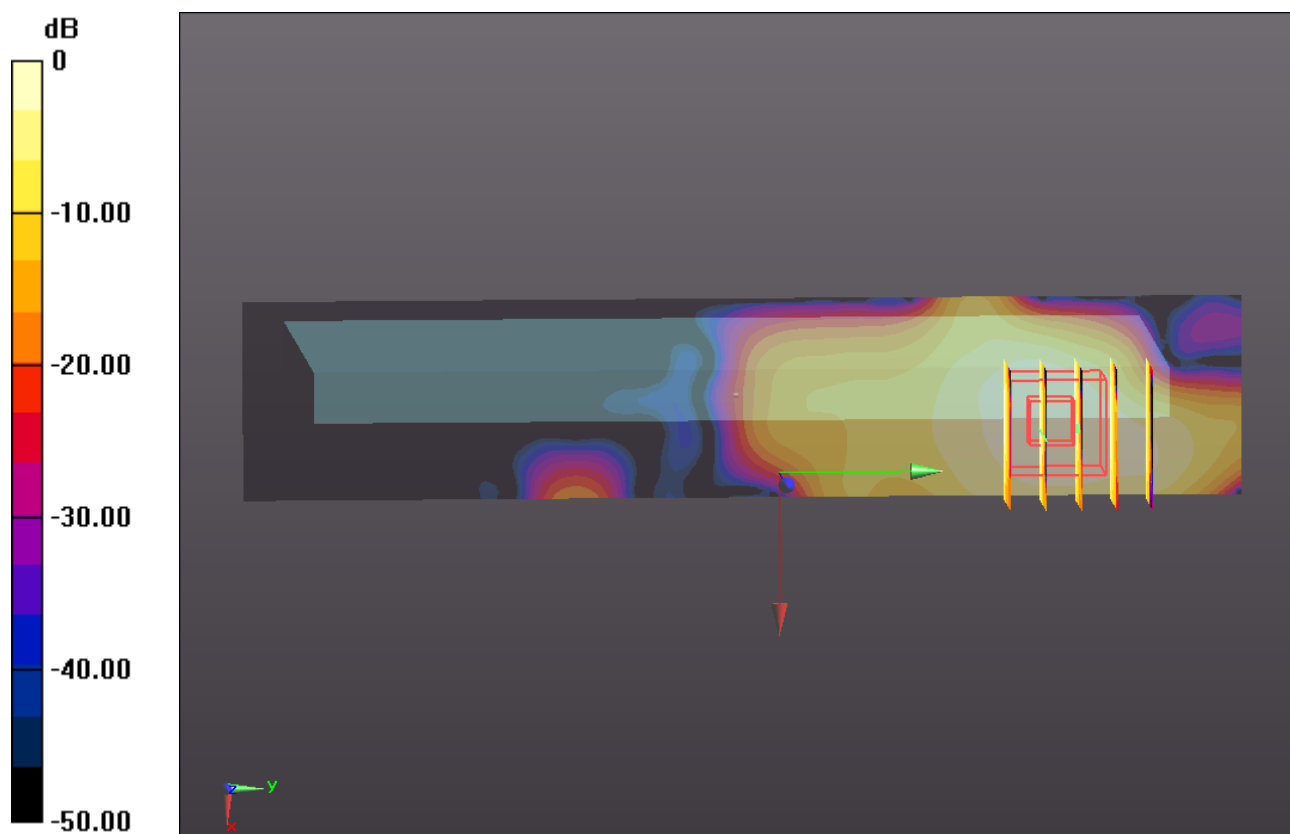
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $0.745 \text{ V/m}$ ; Power Drift =  $-0.08 \text{ dB}$

Peak SAR (extrapolated) =  $0.077 \text{ W/kg}$

**SAR(1 g) =  $0.043 \text{ mW/g}$ ; SAR(10 g) =  $0.022 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.047 \text{ mW/g}$



0 dB = 0.050mW/g

**#50 802.11b\_Bottom Face\_0cm\_11M\_Ch6**

**DUT: 262503**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_120730 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.912 \text{ mho/m}$ ;  $\epsilon_r =$

$54.01$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5^\circ\text{C}$ ; Liquid Temperature :  $21.4^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

**Ch6/Area Scan (101x151x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.520 \text{ mW/g}$

**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $0 \text{ V/m}$ ; Power Drift =  $0.009 \text{ dB}$

Peak SAR (extrapolated) =  $1.202 \text{ W/kg}$

**SAR(1 g) =  $0.468 \text{ mW/g}$ ; SAR(10 g) =  $0.178 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.519 \text{ mW/g}$

